

ln[1]: << nraodist.thru21A.m

All Years, 2012–2021A: GBT, VLA, and VLBA

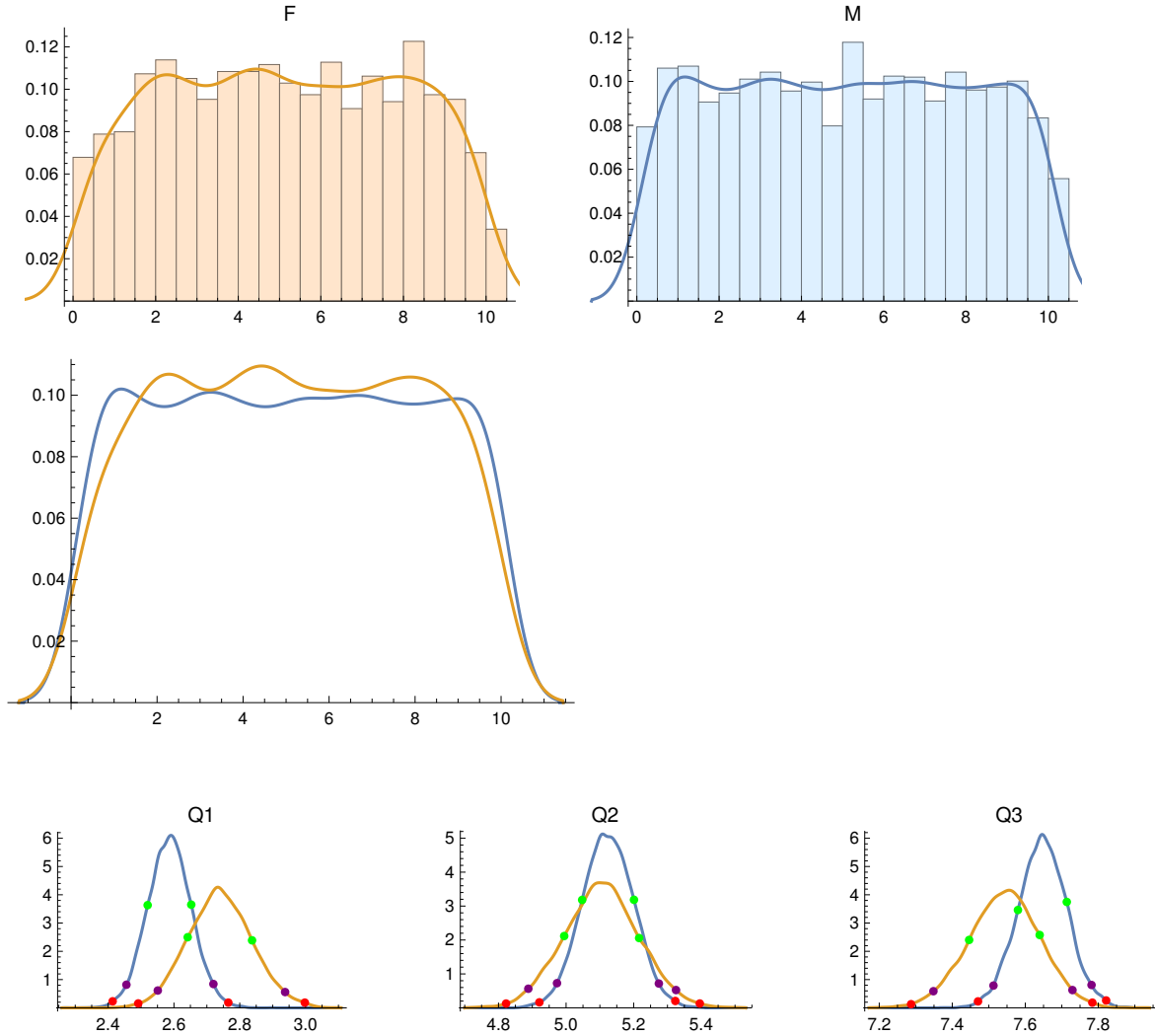
No. Female PIs = 1827

No. Male PIs = 4414

F PI Quartiles: {2.7, 5., 7.5475}

M PI Quartiles: {2.61, 5.12, 7.65}

Anderson-Darling two-sample test p-value: 0.0311894



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.52 2.653	2.456 2.72	2.414 2.765
Quartile 2	5.12	5.048 5.201	4.973 5.274	4.921 5.323
Quartile 3	7.65	7.58 7.714	7.513 7.781	7.471 7.821

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.7	2.642 2.837	2.551 2.938	2.491 2.998
Quartile 2	5.	4.994 5.216	4.888 5.325	4.822 5.396
Quartile 3	7.547	7.446 7.639	7.348 7.729	7.287 7.784

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.09	0.1194 -0.1177
Quartile 2	-0.12	0.1353 -0.135
Quartile 3	-0.1025	0.1173 -0.1186

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All Years, 2012-2021A: GBT, VLA, and VLBA

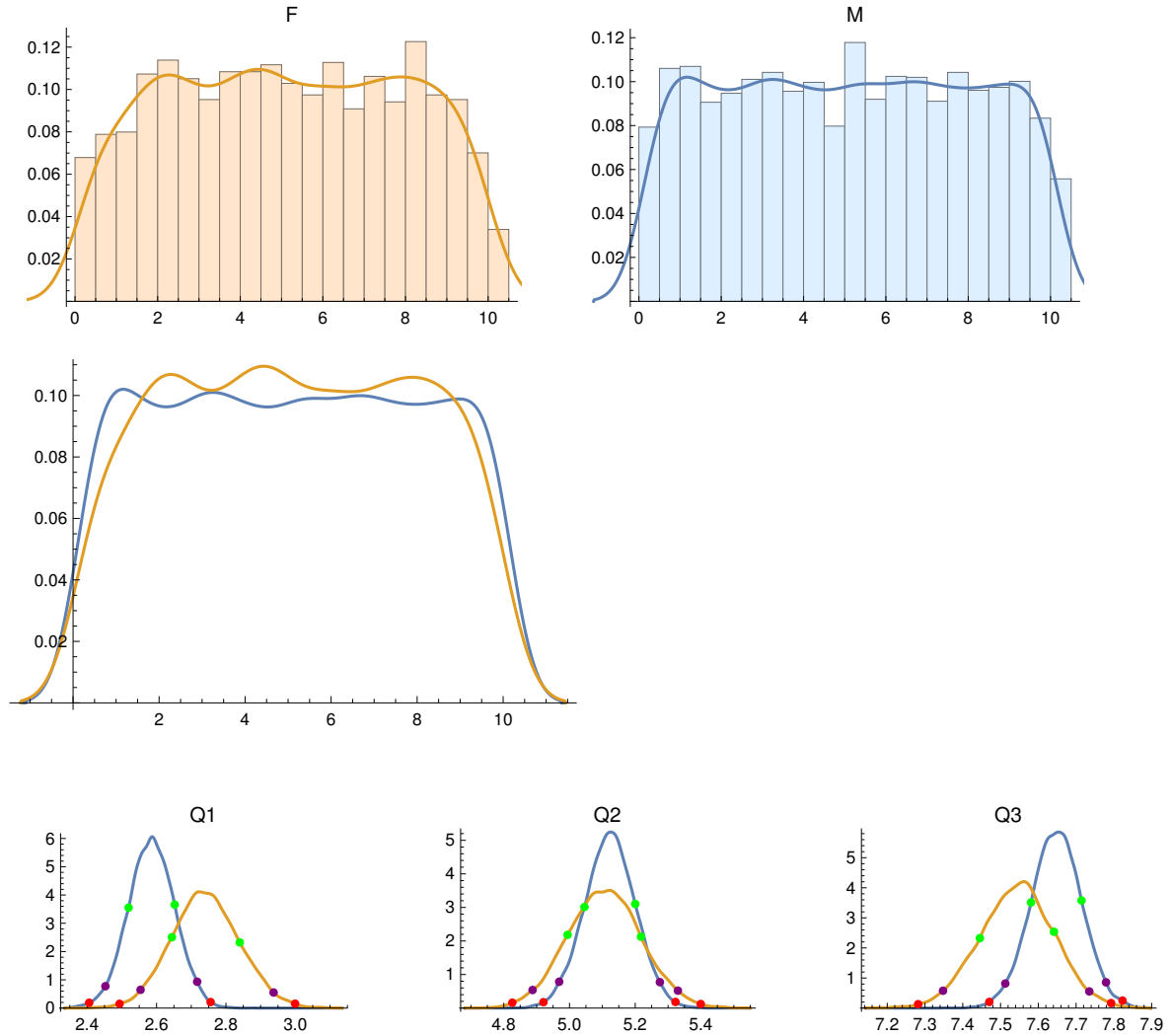
No. Female PIs = 1827

No. Male PIs = 4414

F PI Quartiles: {2.7, 5., 7.5475}

M PI Quartiles: {2.61, 5.12, 7.65}

Anderson-Darling two-sample test p-value: 0.0311894



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.519 2.652	2.453 2.717	2.406 2.756
Quartile 2	5.12	5.046 5.2	4.969 5.275	4.921 5.322
Quartile 3	7.65	7.581 7.714	7.513 7.779	7.47 7.823

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.7	2.644 2.84	2.554 2.937	2.493 2.999
Quartile 2	5.	4.994 5.217	4.888 5.33	4.826 5.399
Quartile 3	7.547	7.445 7.642	7.348 7.735	7.282 7.793

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.09	0.1208 -0.1191
Quartile 2	-0.12	0.1367 -0.1367
Quartile 3	-0.1025	0.1183 -0.1194

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2012: GBT, VLA, and VLBA

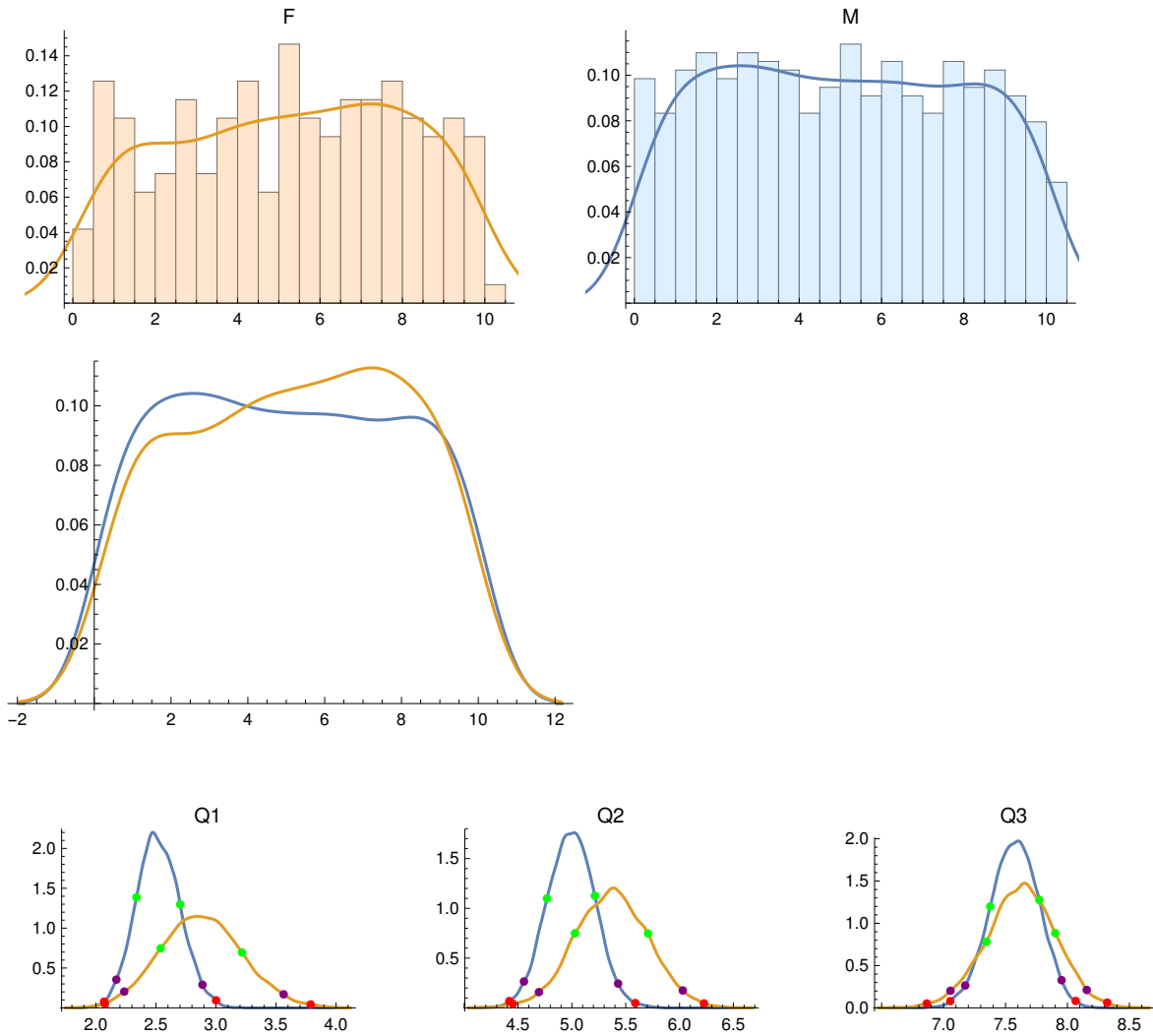
No. Female PIs = 191

No. Male PIs = 528

F PI Quartiles: {2.73, 5.36, 7.56}

M PI Quartiles: {2.5, 5., 7.6}

Anderson-Darling two-sample test p-value: 0.390507



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.338 2.702	2.17 2.887	2.069 3.
Quartile 2	5.	4.769 5.213	4.555 5.429	4.419 5.589
Quartile 3	7.6	7.376 7.774	7.175 7.953	7.054 8.067

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.539 3.217	2.236 3.564	2.074 3.788
Quartile 2	5.36	5.029 5.707	4.694 6.03	4.452 6.227
Quartile 3	7.56	7.346 7.902	7.056 8.156	6.865 8.321

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.23	0.3791 -0.3793
Quartile 2	0.36	0.4048 -0.4016
Quartile 3	-0.04	0.3426 -0.3415

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2013: GBT, VLA, and VLBA

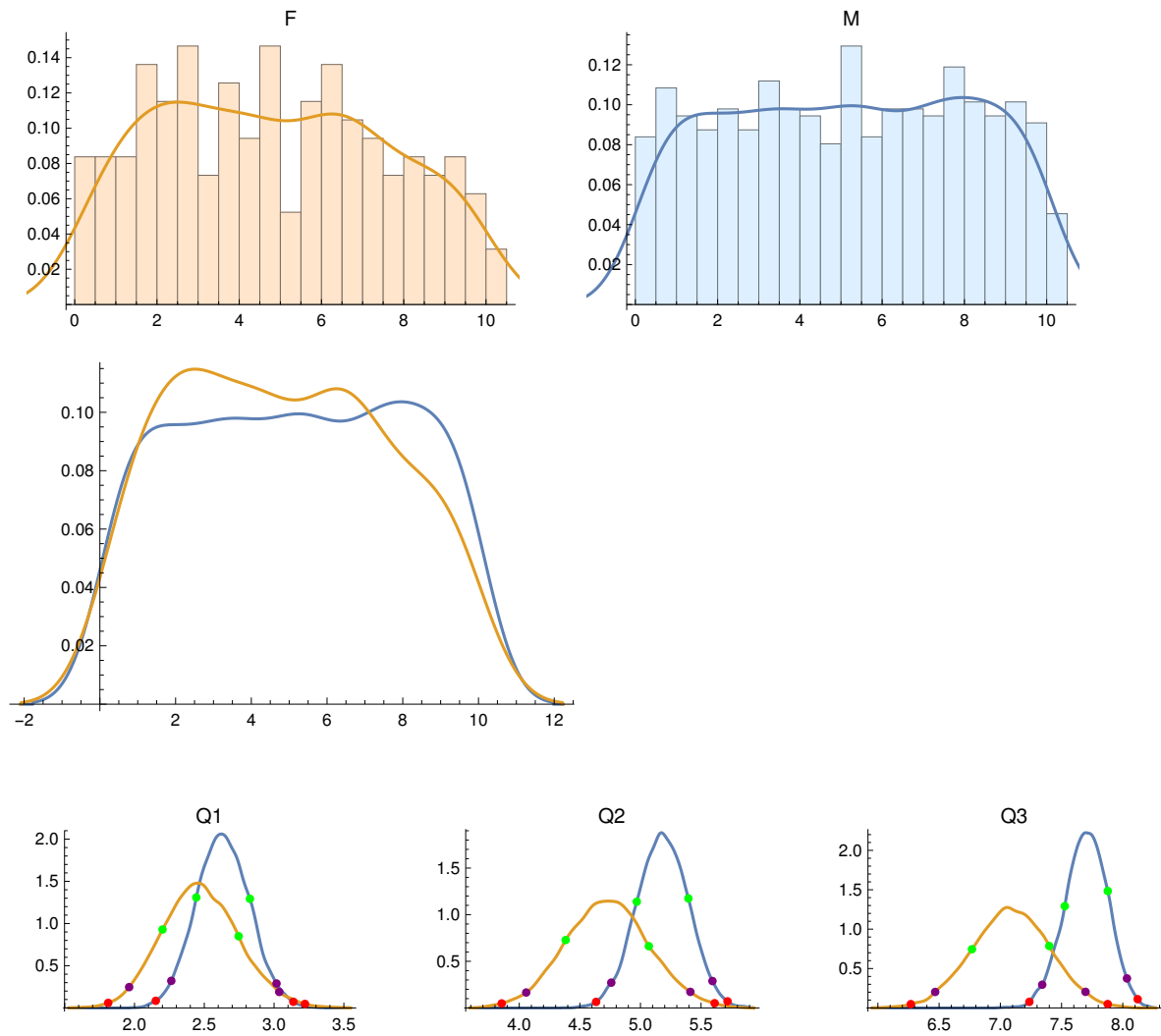
No. Female PIs = 191

No. Male PIs = 572

F PI Quartiles: {2.4775, 4.68, 6.995}

M PI Quartiles: {2.605, 5.18, 7.74}

Anderson-Darling two-sample test p-value: 0.204125



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.605	2.443 2.827	2.264 3.017	2.152 3.138
Quartile 2	5.18	4.97 5.395	4.759 5.594	4.634 5.719
Quartile 3	7.74	7.526 7.878	7.342 8.034	7.237 8.122

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.478	2.201 2.746	1.962 3.037	1.812 3.222
Quartile 2	4.68	4.383 5.069	4.057 5.412	3.855 5.612
Quartile 3	6.995	6.769 7.4	6.468 7.696	6.269 7.877

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.1275	0.3337 -0.3337
Quartile 2	-0.5	0.4063 -0.4062
Quartile 3	-0.745	0.3576 -0.3598

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2014: GBT, VLA, and VLBA

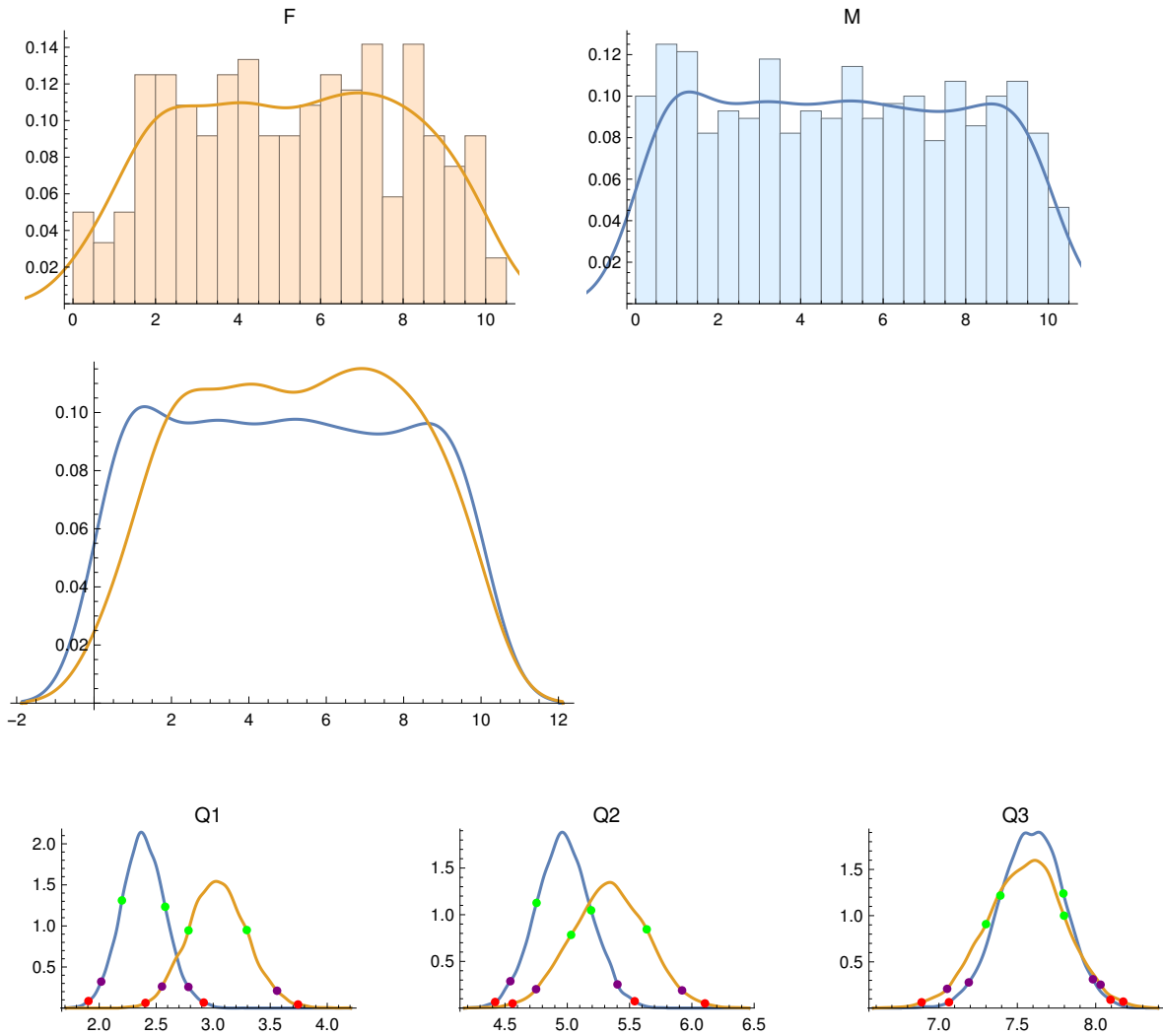
No. Female PIs = 240

No. Male PIs = 560

F PI Quartiles: {3.01, 5.4, 7.45}

M PI Quartiles: {2.395, 5., 7.605}

Anderson-Darling two-sample test p-value: 0.0399897



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.395	2.199 2.579	2.017 2.782	1.906 2.917
Quartile 2	5.	4.753 5.191	4.543 5.403	4.421 5.541
Quartile 3	7.605	7.392 7.794	7.19 7.982	7.064 8.094

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.01	2.783 3.294	2.551 3.56	2.406 3.744
Quartile 2	5.4	5.031 5.638	4.75 5.921	4.561 6.105
Quartile 3	7.45	7.3 7.798	7.052 8.031	6.89 8.175

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.615	0.3203 -0.3206
Quartile 2	0.4	0.3704 -0.3759
Quartile 3	-0.155	0.3179 -0.32

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2015: GBT, VLA, and VLBA

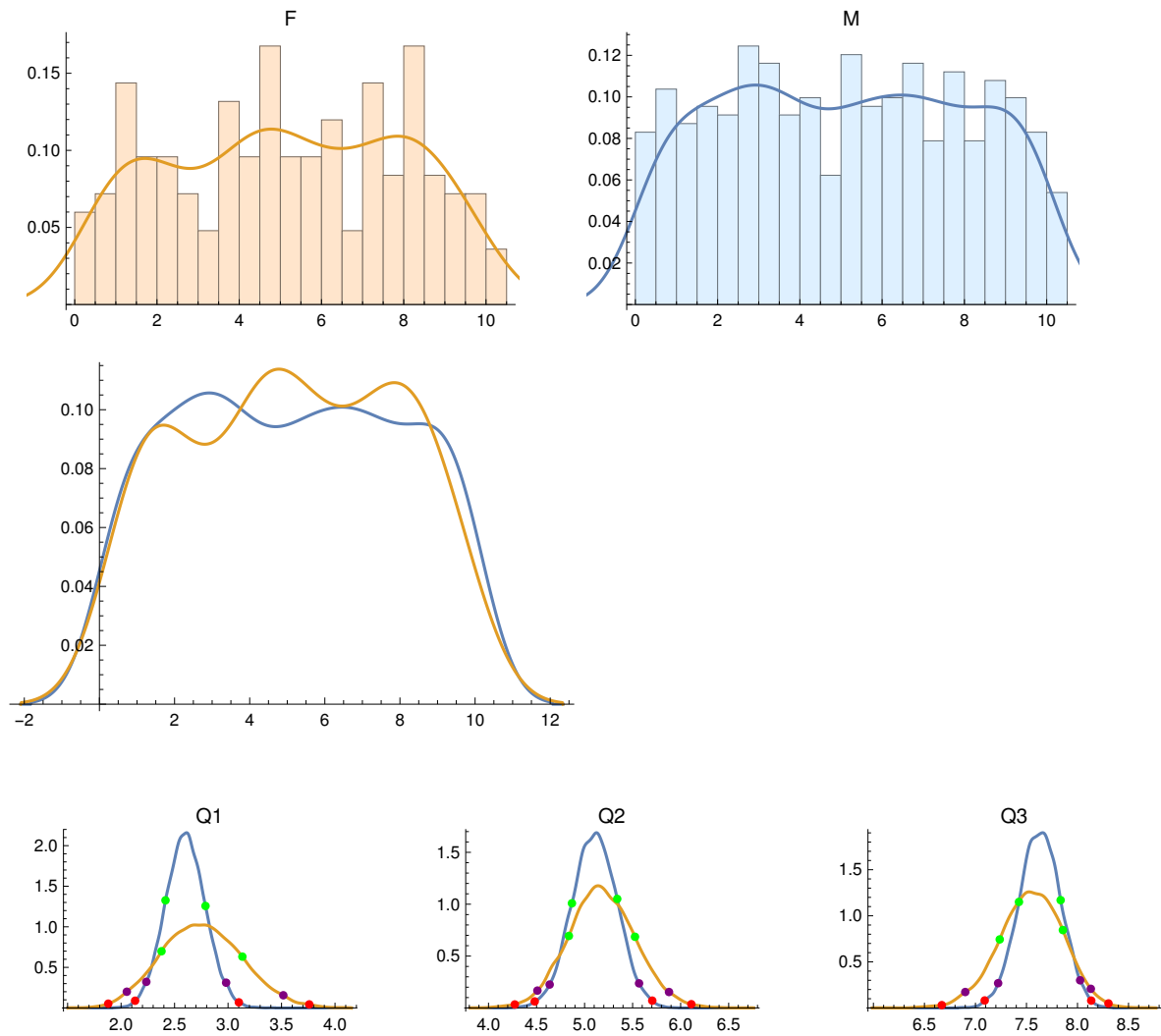
No. Female PIs = 167

No. Male PIs = 482

F PI Quartiles: {2.5875, 5., 7.6725}

M PI Quartiles: {2.67, 5.155, 7.61}

Anderson-Darling two-sample test p-value: 0.707823



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.67	2.415 2.789	2.236 2.982	2.131 3.101
Quartile 2	5.155	4.868 5.34	4.637 5.567	4.481 5.705
Quartile 3	7.61	7.426 7.835	7.222 8.026	7.091 8.135

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.588	2.378 3.134	2.054 3.517	1.88 3.759
Quartile 2	5.	4.837 5.525	4.509 5.879	4.273 6.111
Quartile 3	7.672	7.238 7.857	6.9 8.131	6.67 8.304

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.0825	0.4188 -0.4245
Quartile 2	-0.155	0.4228 -0.4206
Quartile 3	0.0625	0.3713 -0.3711

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2016: GBT, VLA, and VLBA

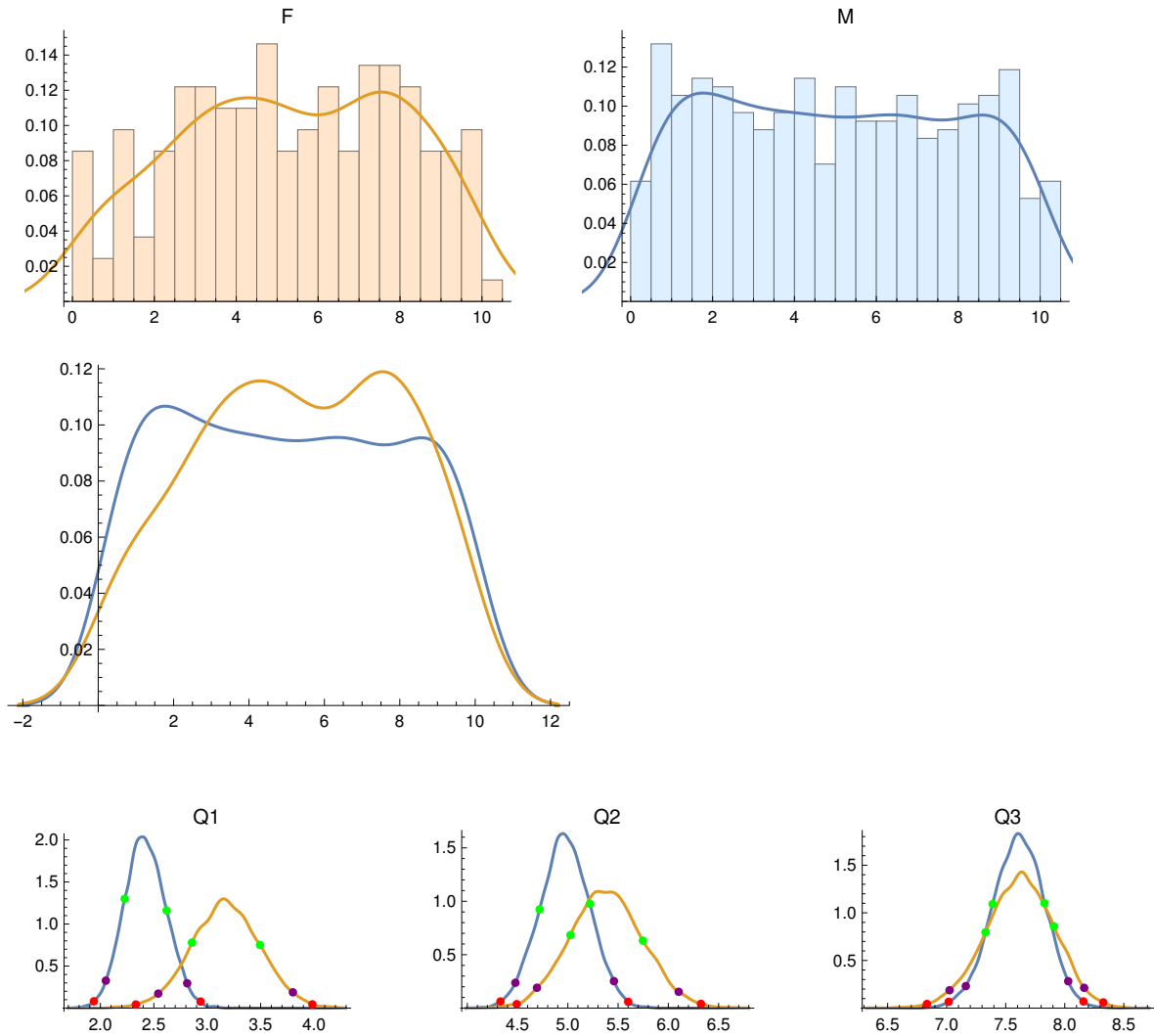
No. Female PIs = 164

No. Male PIs = 455

F PI Quartiles: {3.245, 5.38, 7.58}

M PI Quartiles: {2.385, 5., 7.6125}

Anderson-Darling two-sample test p-value: 0.125781



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.385	2.227 2.62	2.051 2.812	1.939 2.938
Quartile 2	5.	4.719 5.22	4.478 5.459	4.33 5.601
Quartile 3	7.612	7.389 7.828	7.162 8.029	7.018 8.159

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.245	2.857 3.494	2.541 3.802	2.332 3.984
Quartile 2	5.38	5.026 5.747	4.693 6.103	4.492 6.324
Quartile 3	7.58	7.329 7.908	7.025 8.164	6.833 8.327

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.86	0.3746 -0.3727
Quartile 2	0.38	0.433 -0.4423
Quartile 3	-0.0325	0.3638 -0.3587

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2017: GBT, VLA, and VLBA

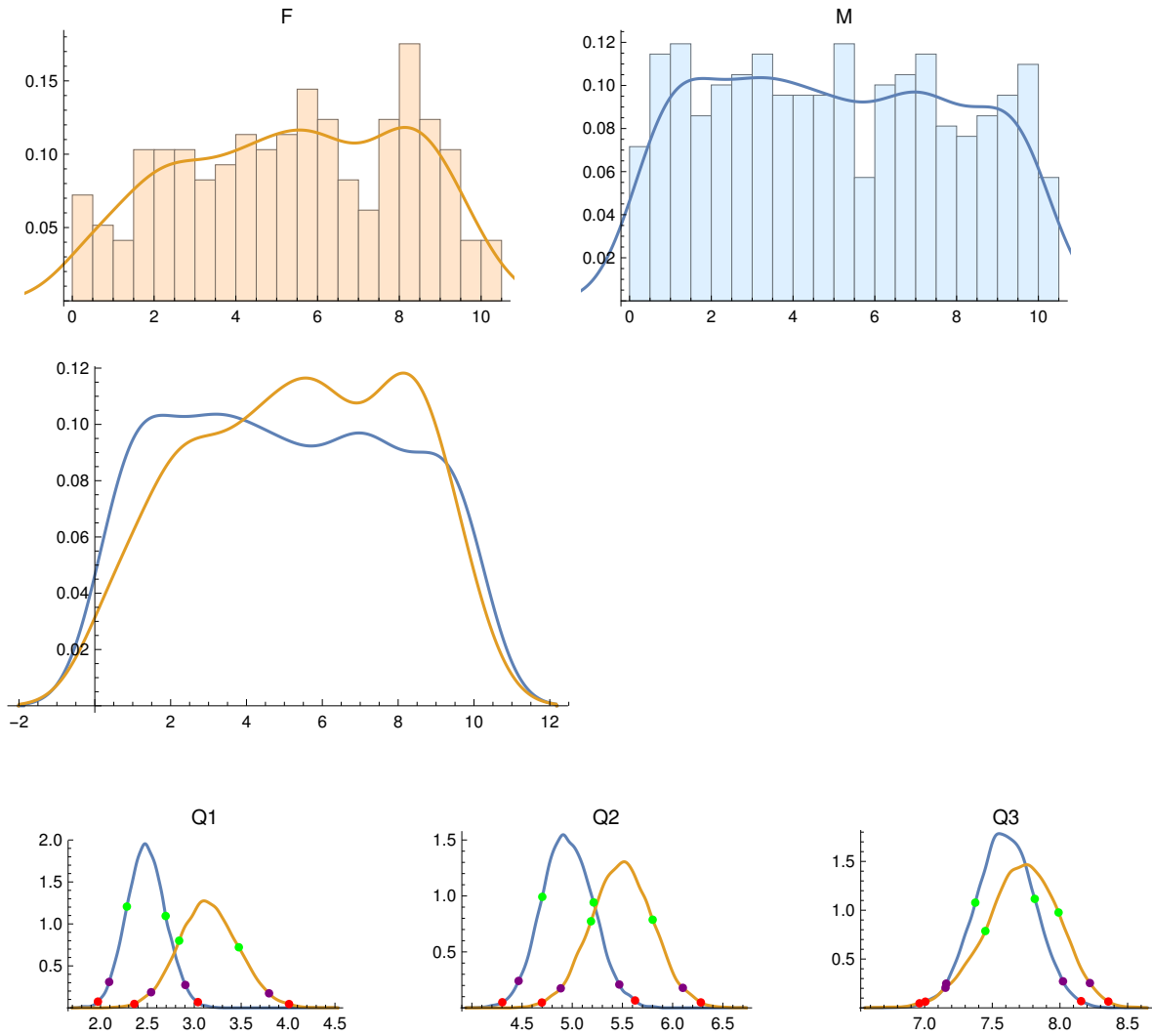
No. Female PIs = 194

No. Male PIs = 419

F PI Quartiles: {3.11, 5.5, 7.89}

M PI Quartiles: {2.5, 5., 7.5}

Anderson-Darling two-sample test p-value: 0.0858812



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.281 2.695	2.092 2.905	1.973 3.039
Quartile 2	5.	4.702 5.213	4.466 5.469	4.303 5.626
Quartile 3	7.5	7.375 7.814	7.16 8.023	7.006 8.156

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.11	2.839 3.475	2.54 3.797	2.36 4.01
Quartile 2	5.5	5.187 5.801	4.886 6.102	4.697 6.281
Quartile 3	7.89	7.449 7.99	7.154 8.221	6.962 8.357

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.61	0.3744 -0.3817
Quartile 2	0.5	0.3951 -0.3996
Quartile 3	0.39	0.343 -0.3444

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2018: GBT, VLA, and VLBA

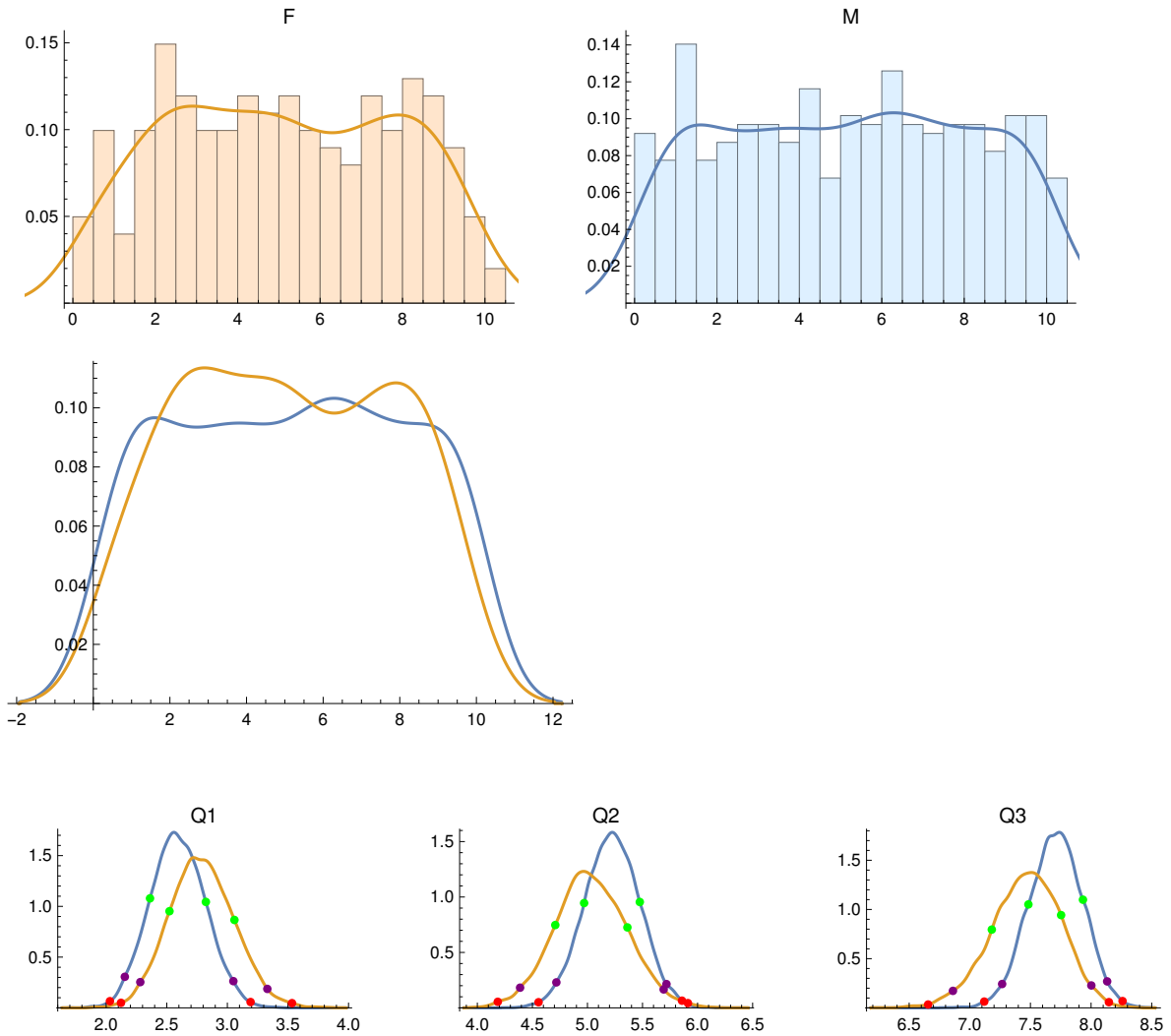
No. Female PIs = 201

No. Male PIs = 413

F PI Quartiles: {2.8075, 5., 7.545}

M PI Quartiles: {2.5975, 5.26, 7.7375}

Anderson-Darling two-sample test p-value: 0.225318



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.598	2.362 2.823	2.154 3.049	2.031 3.192
Quartile 2	5.26	4.97 5.475	4.718 5.717	4.556 5.859
Quartile 3	7.738	7.483 7.933	7.267 8.133	7.119 8.26

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.808	2.522 3.058	2.281 3.33	2.122 3.534
Quartile 2	5.	4.708 5.363	4.388 5.692	4.186 5.912
Quartile 3	7.545	7.181 7.753	6.861 8.002	6.656 8.147

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.21	0.3553 -0.3557
Quartile 2	-0.26	0.4146 -0.4133
Quartile 3	-0.1925	0.3633 -0.362

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2019: GBT, VLA, and VLBA

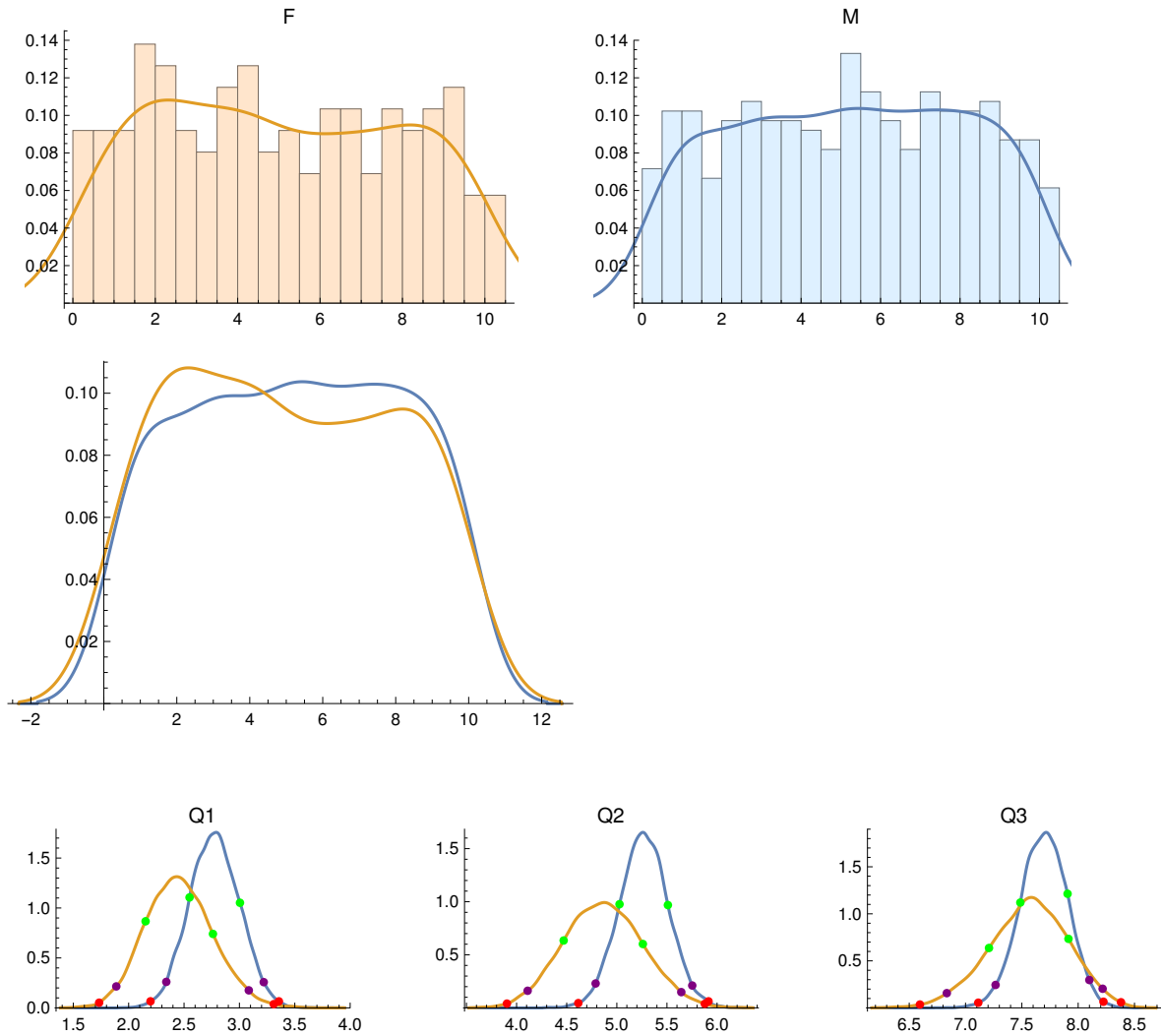
No. Female PIs = 174

No. Male PIs = 391

F PI Quartiles: {2.38, 4.735, 7.66}

M PI Quartiles: {2.86, 5.26, 7.68}

Anderson-Darling two-sample test p-value: 0.684719



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.86	2.55 3.005	2.34 3.22	2.197 3.357
Quartile 2	5.26	5.027 5.509	4.788 5.752	4.616 5.915
Quartile 3	7.68	7.486 7.906	7.267 8.099	7.113 8.224

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.38	2.153 2.761	1.888 3.085	1.733 3.31
Quartile 2	4.735	4.47 5.26	4.11 5.643	3.904 5.878
Quartile 3	7.66	7.208 7.914	6.834 8.217	6.595 8.38

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.48	0.3813 -0.3818
Quartile 2	-0.525	0.4653 -0.4706
Quartile 3	-0.02	0.4105 -0.4084

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2020: GBT, VLA, and VLBA

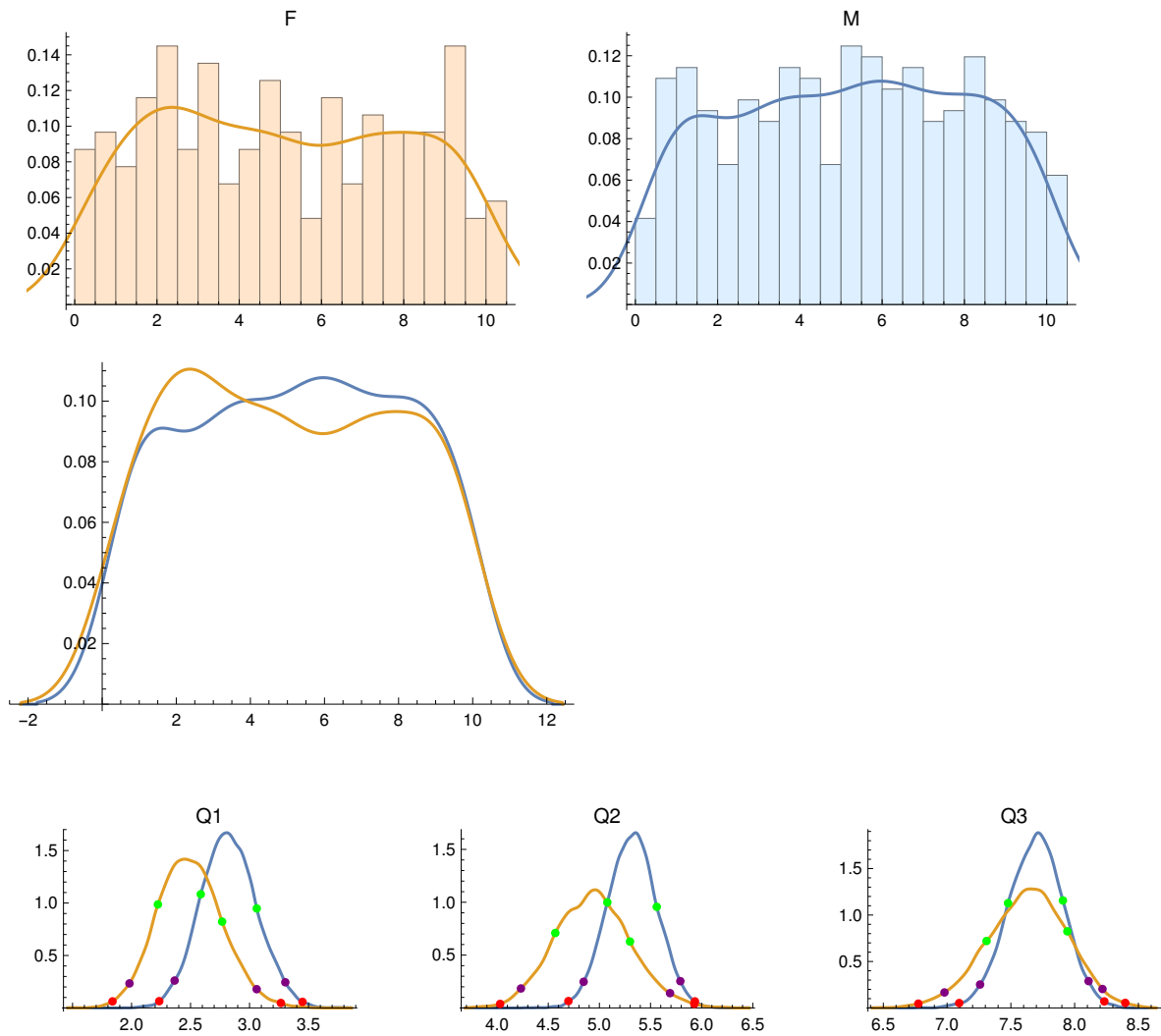
No. Female PIs = 207

No. Male PIs = 385

F PI Quartiles: {2.4075, 4.84, 7.545}

M PI Quartiles: {2.8975, 5.38, 7.7325}

Anderson-Darling two-sample test p-value: 0.606577



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.898	2.587 3.061	2.365 3.303	2.235 3.449
Quartile 2	5.38	5.078 5.561	4.846 5.792	4.697 5.934
Quartile 3	7.732	7.478 7.908	7.259 8.109	7.095 8.233

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.407	2.223 2.768	1.982 3.06	1.839 3.266
Quartile 2	4.84	4.569 5.299	4.233 5.691	4.029 5.928
Quartile 3	7.545	7.31 7.943	6.979 8.218	6.775 8.397

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.49	0.3617 -0.3663
Quartile 2	-0.54	0.4378 -0.4402
Quartile 3	-0.1875	0.3785 -0.3881

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2021: GBT, VLA, and VLBA

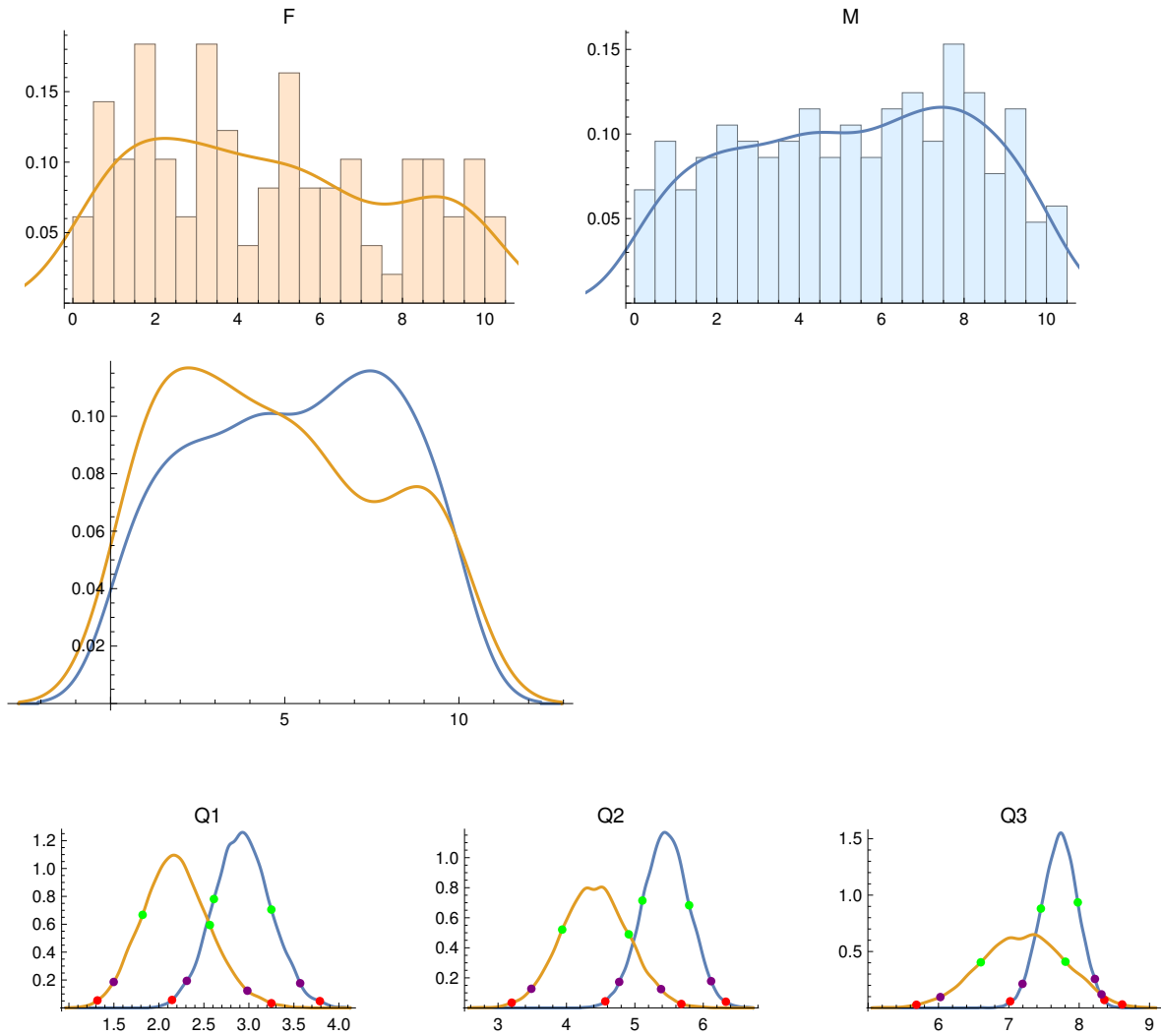
No. Female PIs = 98

No. Male PIs = 209

F PI Quartiles: {2.11, 4.465, 6.97}

M PI Quartiles: {2.87, 5.45, 7.72}

Anderson-Darling two-sample test p-value: 0.097334



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.87	2.611 3.249	2.31 3.57	2.146 3.789
Quartile 2	5.45	5.11 5.793	4.771 6.115	4.568 6.331
Quartile 3	7.72	7.456 7.98	7.194 8.224	7.019 8.358

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.11	1.819 2.566	1.498 2.983	1.317 3.25
Quartile 2	4.465	3.938 4.911	3.487 5.383	3.2 5.68
Quartile 3	6.97	6.601 7.805	6.026 8.317	5.686 8.612

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.76	0.4926 -0.4874
Quartile 2	-0.985	0.6055 -0.6043
Quartile 3	-0.75	0.6578 -0.657

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2012: VLA only

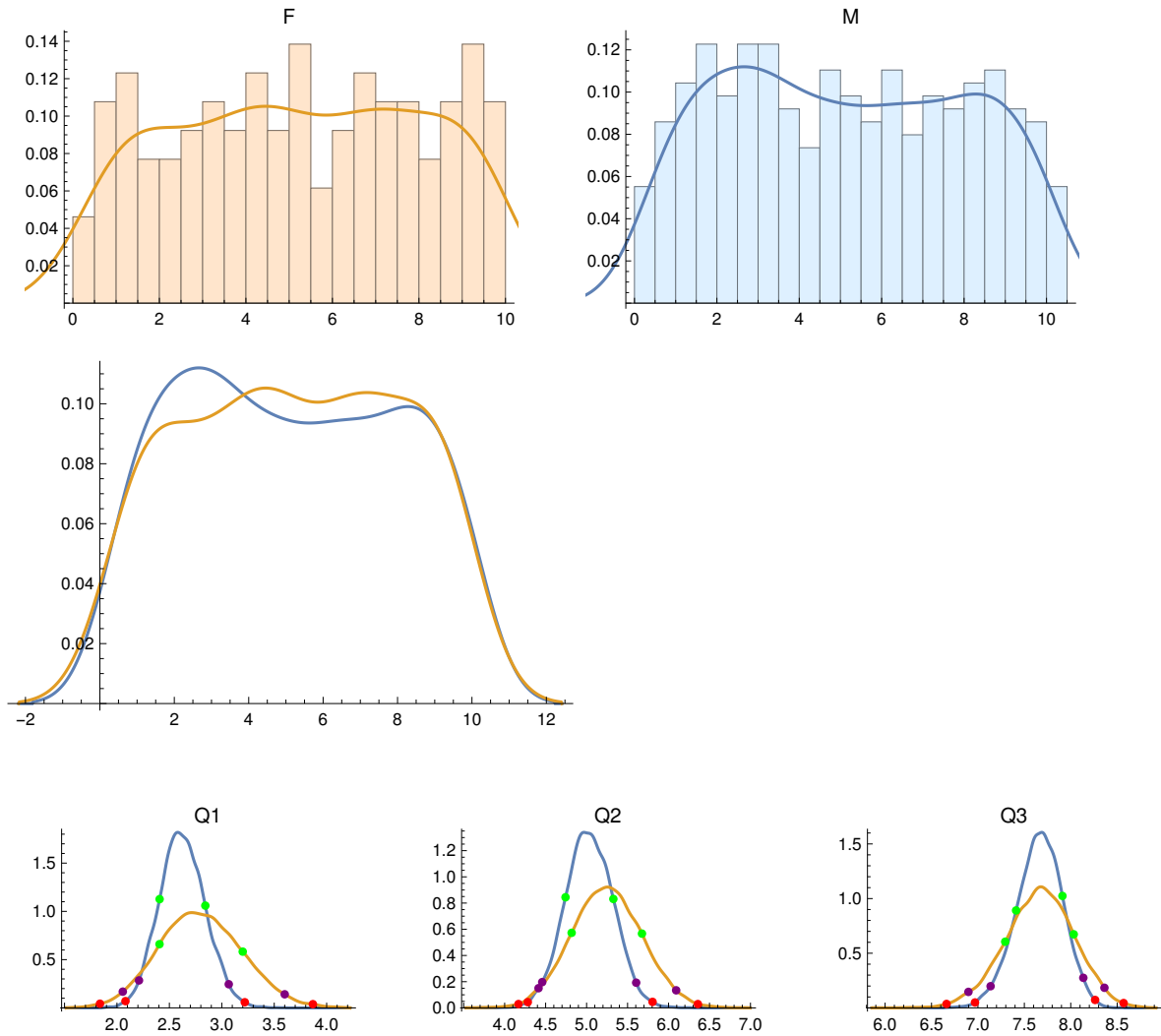
No. Female PIs = 130

No. Male PIs = 326

F PI Quartiles: {2.73, 5.11, 7.5}

M PI Quartiles: {2.61, 5., 7.73}

Anderson-Darling two-sample test p-value: 0.815216



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.407 2.843	2.21 3.066	2.081 3.219
Quartile 2	5.	4.743 5.327	4.459 5.605	4.282 5.805
Quartile 3	7.73	7.411 7.91	7.137 8.135	6.968 8.263

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.406 3.2	2.056 3.6	1.838 3.869
Quartile 2	5.11	4.817 5.676	4.414 6.093	4.169 6.358
Quartile 3	7.5	7.294 8.032	6.898 8.363	6.662 8.569

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.12	0.4532 -0.4515
Quartile 2	0.11	0.5248 -0.5227
Quartile 3	-0.23	0.4452 -0.4477

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2013: VLA only

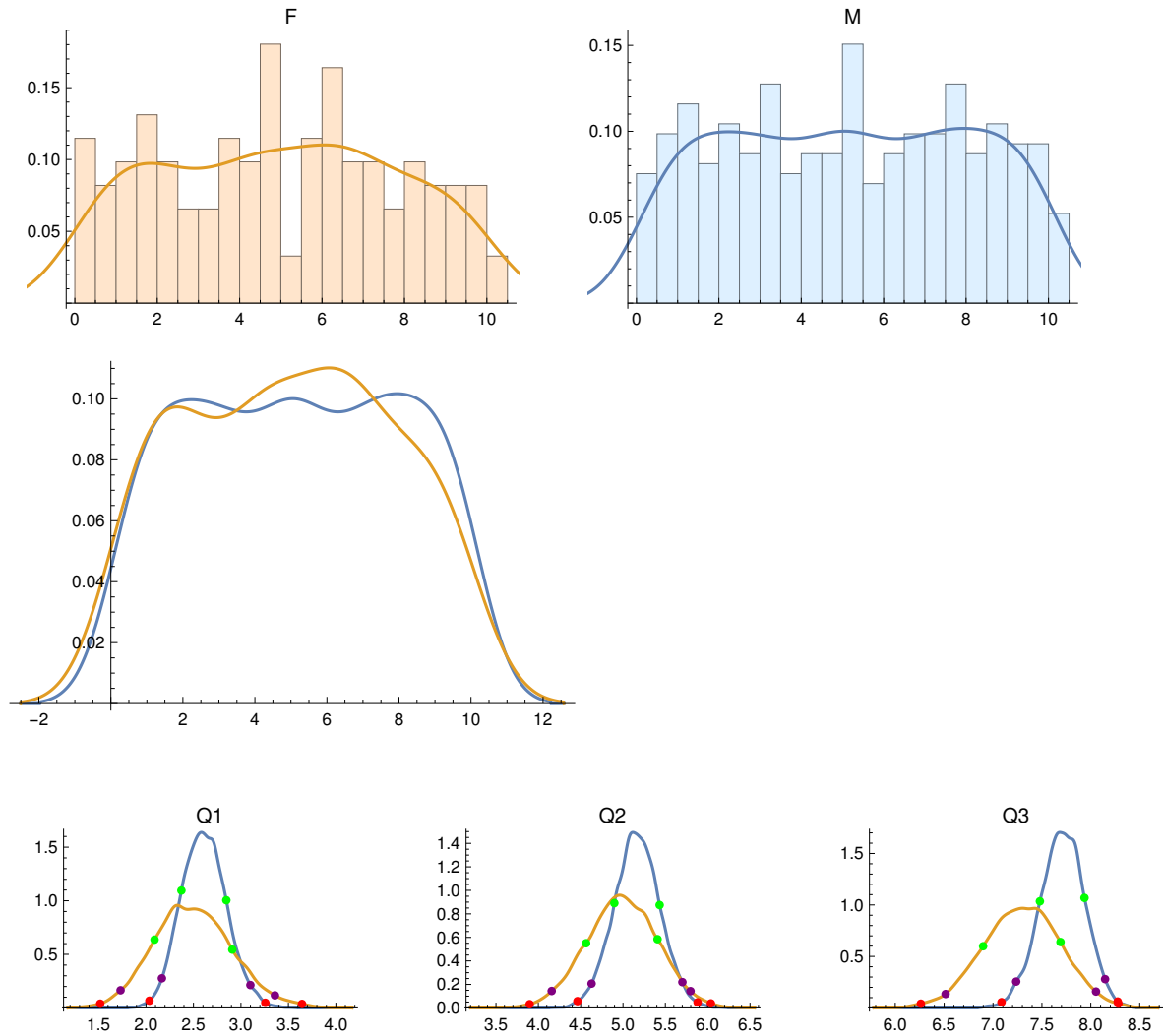
No. Female PIs = 122

No. Male PIs = 345

F PI Quartiles: {2.33, 4.785, 7.17}

M PI Quartiles: {2.5575, 5.12, 7.785}

Anderson-Darling two-sample test p-value: 0.797619



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.558	2.373 2.846	2.167 3.099	2.036 3.257
Quartile 2	5.12	4.898 5.433	4.629 5.701	4.462 5.881
Quartile 3	7.785	7.479 7.936	7.237 8.146	7.087 8.275

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.33	2.09 2.909	1.732 3.358	1.518 3.644
Quartile 2	4.785	4.565 5.408	4.158 5.797	3.898 6.038
Quartile 3	7.17	6.899 7.69	6.515 8.053	6.262 8.282

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.2275	0.4824 -0.4761
Quartile 2	-0.335	0.502 -0.4986
Quartile 3	-0.615	0.464 -0.4681

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2014: VLA only

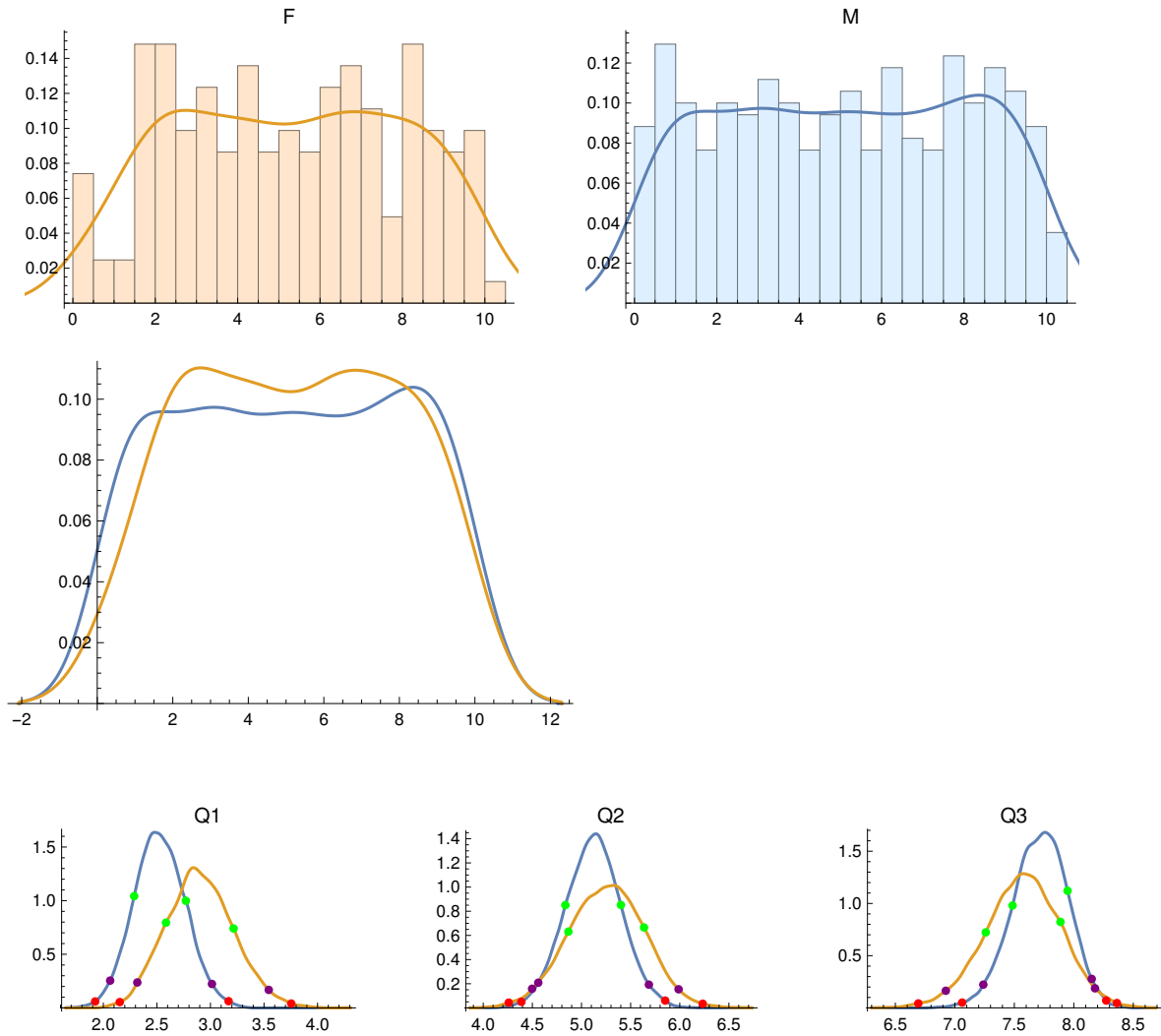
No. Female PIs = 162

No. Male PIs = 340

F PI Quartiles: {2.79, 5.345, 7.46}

M PI Quartiles: {2.6, 5.11, 7.695}

Anderson-Darling two-sample test p-value: 0.424119



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.6	2.288 2.77	2.064 3.014	1.924 3.169
Quartile 2	5.11	4.836 5.401	4.56 5.686	4.388 5.852
Quartile 3	7.695	7.485 7.948	7.239 8.151	7.062 8.272

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.79	2.585 3.216	2.317 3.544	2.153 3.755
Quartile 2	5.345	4.867 5.636	4.497 5.988	4.26 6.233
Quartile 3	7.46	7.26 7.888	6.924 8.178	6.693 8.362

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.19	0.3935 -0.3922
Quartile 2	0.235	0.4741 -0.4752
Quartile 3	-0.235	0.3912 -0.3913

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2015: VLA only

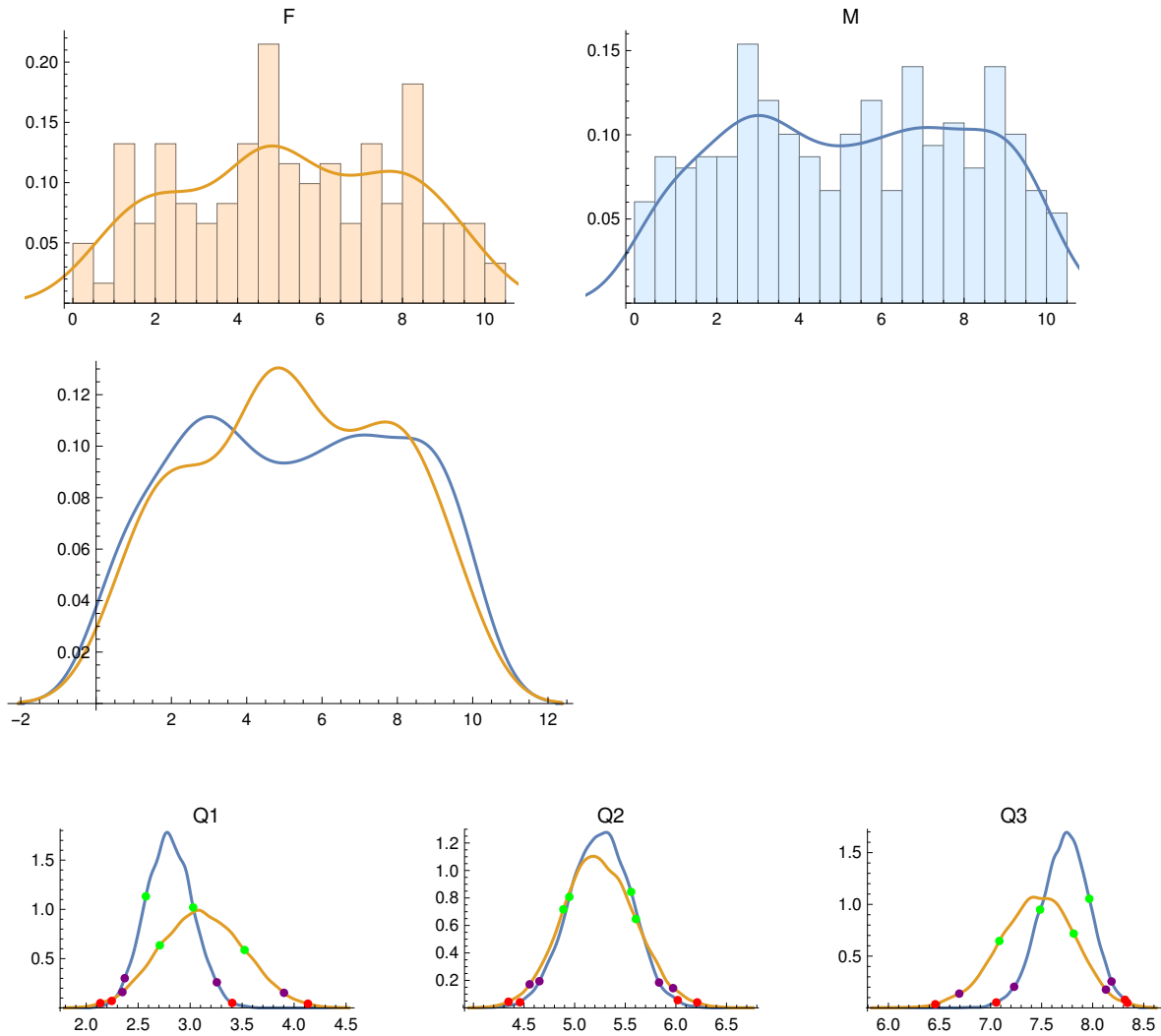
No. Female PIs = 121

No. Male PIs = 299

F PI Quartiles: {3.15, 5., 7.4625}

M PI Quartiles: {2.8325, 5.23, 7.6825}

Anderson-Darling two-sample test p-value: 0.568852



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.832	2.574 3.029	2.371 3.257	2.246 3.405
Quartile 2	5.23	4.947 5.558	4.652 5.834	4.46 6.018
Quartile 3	7.682	7.485 7.967	7.231 8.185	7.056 8.316

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.15	2.708 3.524	2.348 3.903	2.136 4.133
Quartile 2	5.	4.888 5.605	4.556 5.972	4.346 6.211
Quartile 3	7.462	7.086 7.814	6.694 8.13	6.459 8.34

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.3175	0.4649 -0.4594
Quartile 2	-0.23	0.4661 -0.4643
Quartile 3	-0.22	0.4272 -0.4276

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2016: VLA only

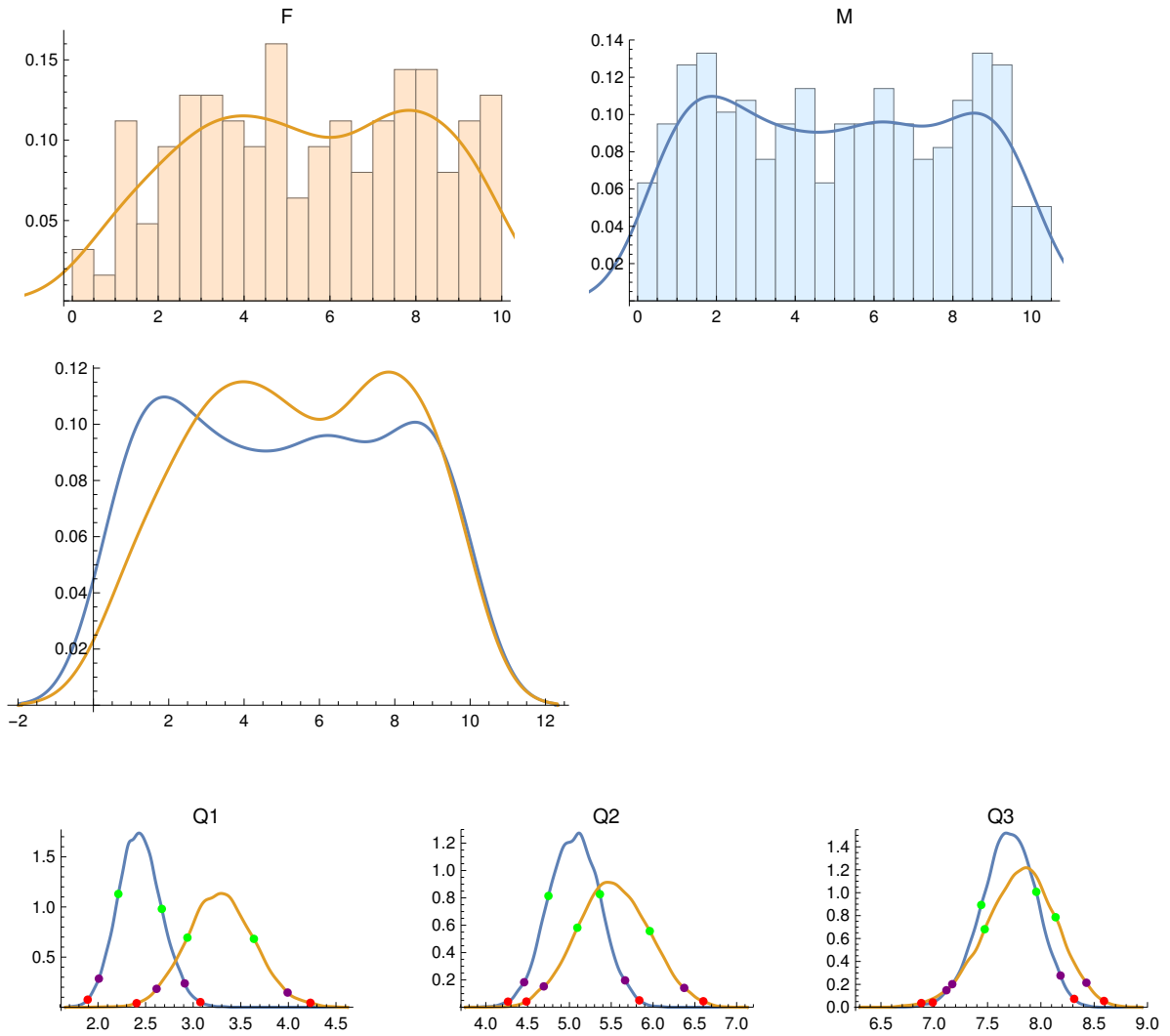
No. Female PIs = 125

No. Male PIs = 316

F PI Quartiles: {3.33, 5.56, 7.7925}

M PI Quartiles: {2.39, 5.115, 7.78}

Anderson-Darling two-sample test p-value: 0.107089



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.39	2.214 2.67	2.009 2.911	1.892 3.076
Quartile 2	5.115	4.749 5.365	4.459 5.666	4.265 5.836
Quartile 3	7.78	7.441 7.957	7.169 8.184	6.986 8.312

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.33	2.939 3.638	2.615 3.992	2.406 4.231
Quartile 2	5.56	5.095 5.961	4.693 6.373	4.485 6.602
Quartile 3	7.792	7.473 8.138	7.114 8.427	6.879 8.592

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.94	0.4205 -0.4157
Quartile 2	0.445	0.5302 -0.5313
Quartile 3	0.0125	0.4188 -0.4202

{ }

2017: VLA only

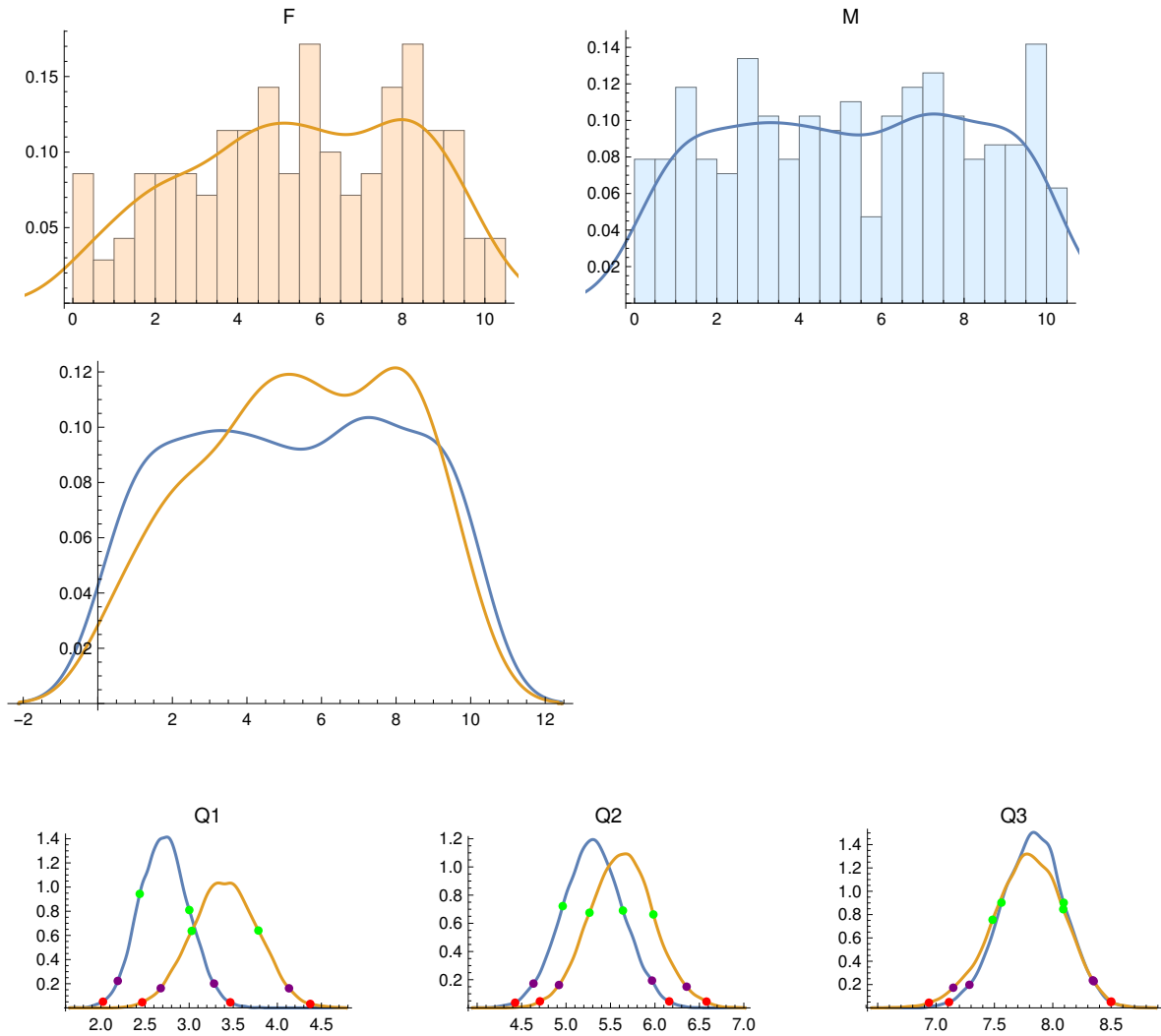
No. Female PIs = 140

No. Male PIs = 254

F PI Quartiles: {3.58, 5.645, 7.865}

M PI Quartiles: {2.73, 5.19, 7.8}

Anderson-Darling two-sample test p-value: 0.237946



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.439 3.002	2.19 3.282	2.022 3.466
Quartile 2	5.19	4.962 5.64	4.634 5.967	4.427 6.161
Quartile 3	7.8	7.56 8.093	7.286 8.343	7.111 8.497

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.58	3.029 3.785	2.678 4.132	2.468 4.373
Quartile 2	5.645	5.264 5.982	4.92 6.356	4.706 6.58
Quartile 3	7.865	7.484 8.09	7.147 8.35	6.939 8.501

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.85	0.4697 -0.4718
Quartile 2	0.455	0.5011 -0.4934
Quartile 3	0.065	0.4061 -0.3981

{}

2018: VLA only

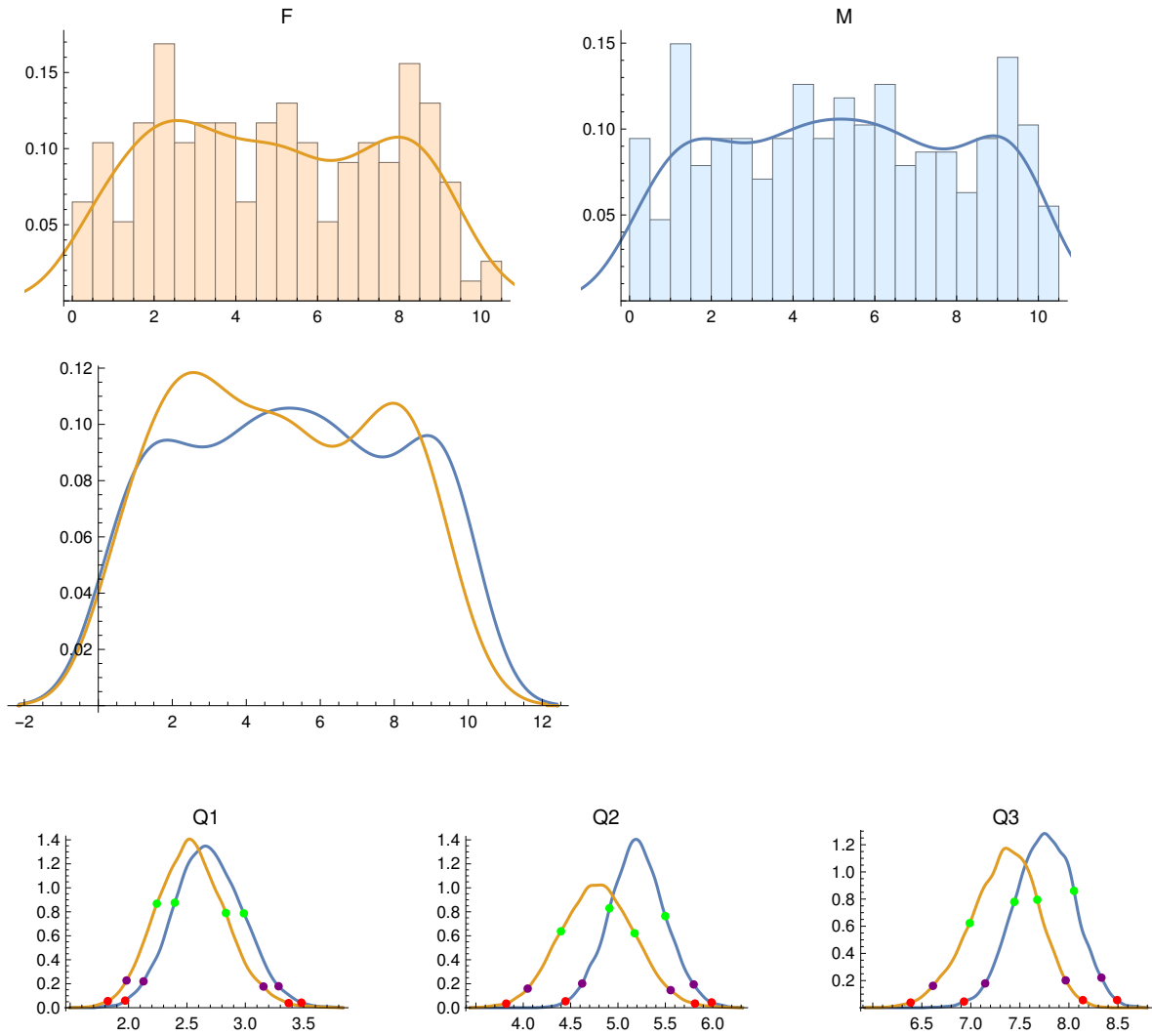
No. Female PIs = 154

No. Male PIs = 254

F PI Quartiles: {2.39, 4.805, 7.4}

M PI Quartiles: {2.61, 5.2, 7.78}

Anderson-Darling two-sample test p-value: 0.152285



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.396 2.988	2.128 3.285	1.971 3.48
Quartile 2	5.2	4.911 5.499	4.622 5.799	4.446 5.988
Quartile 3	7.78	7.443 8.052	7.146 8.331	6.93 8.492

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.39	2.242 2.833	1.983 3.156	1.822 3.371
Quartile 2	4.805	4.398 5.176	4.047 5.556	3.82 5.813
Quartile 3	7.4	6.989 7.678	6.614 7.967	6.386 8.142

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.22	0.4124 -0.4223
Quartile 2	-0.395	0.4899 -0.4837
Quartile 3	-0.38	0.4615 -0.4618

{}

2019: VLA only

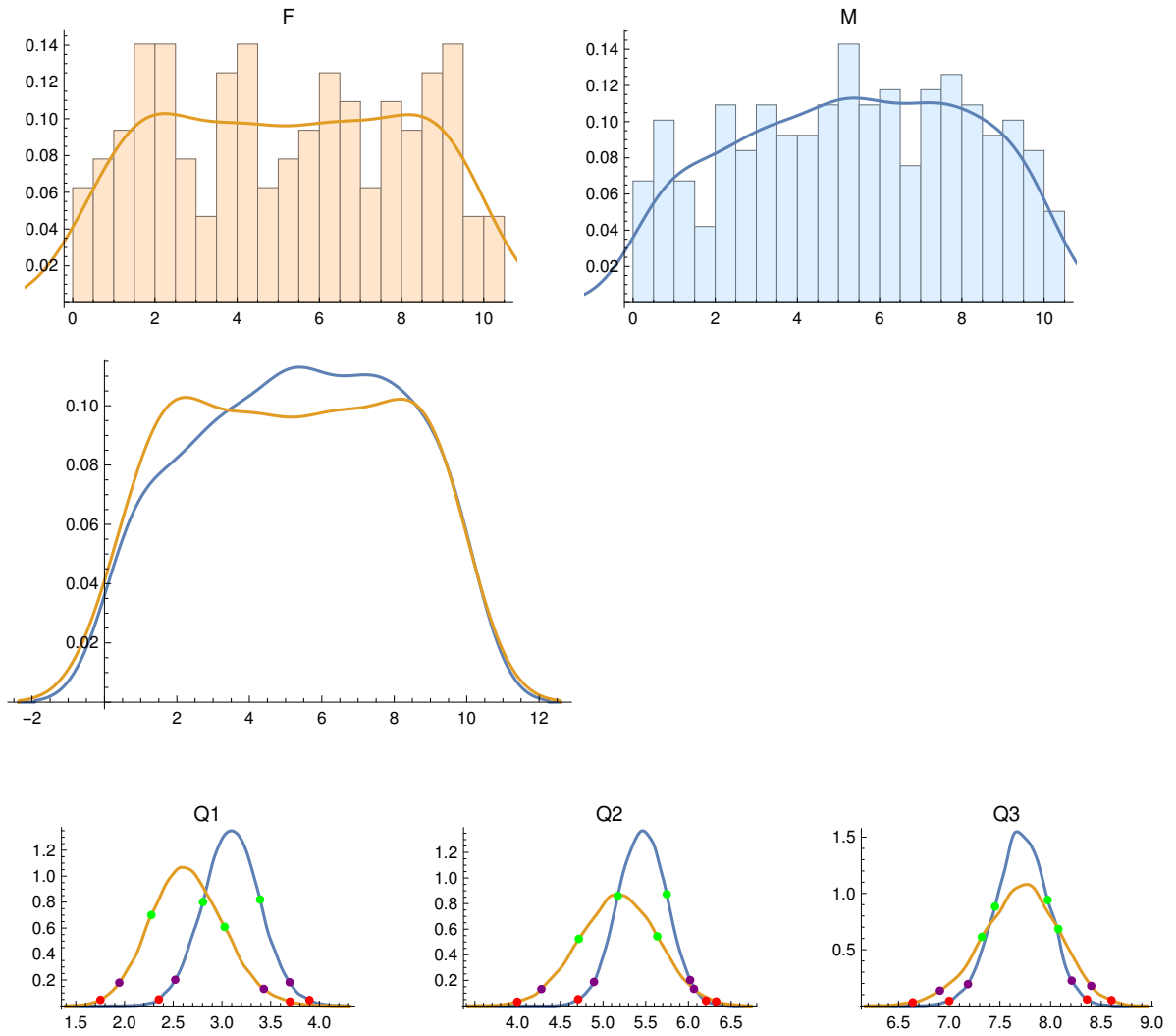
No. Female PIs = 128

No. Male PIs = 238

F PI Quartiles: {2.415, 5.23, 7.785}

M PI Quartiles: {3.18, 5.44, 7.7}

Anderson-Darling two-sample test p-value: 0.784505



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.18	2.805 3.391	2.52 3.695	2.352 3.898
Quartile 2	5.44	5.173 5.746	4.894 6.02	4.708 6.206
Quartile 3	7.7	7.452 7.972	7.184 8.208	7. 8.359

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.415	2.275 3.027	1.946 3.43	1.752 3.699
Quartile 2	5.23	4.717 5.635	4.278 6.065	3.996 6.325
Quartile 3	7.785	7.322 8.076	6.908 8.401	6.64 8.601

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.765	0.4887 -0.4821
Quartile 2	-0.21	0.5376 -0.5479
Quartile 3	0.085	0.4528 -0.4542

{}

2020: VLA only

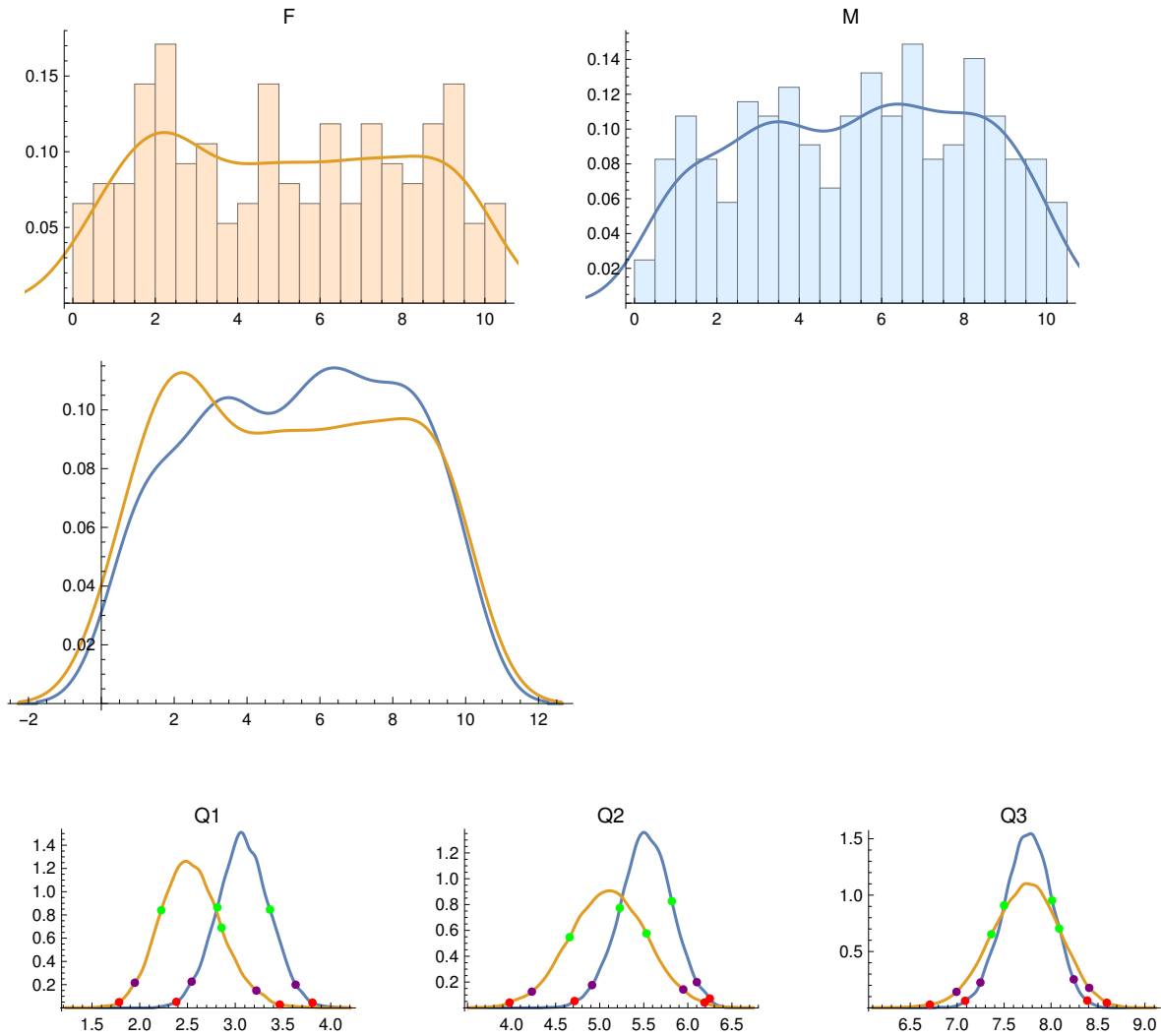
No. Female PIs = 152

No. Male PIs = 242

F PI Quartiles: {2.39, 4.97, 7.675}

M PI Quartiles: {3.13, 5.655, 7.88}

Anderson-Darling two-sample test p-value: 0.392368



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.13	2.812 3.364	2.543 3.632	2.383 3.808
Quartile 2	5.655	5.228 5.819	4.913 6.102	4.714 6.25
Quartile 3	7.88	7.5 8.011	7.248 8.242	7.085 8.386

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.39	2.225 2.856	1.948 3.221	1.784 3.466
Quartile 2	4.97	4.659 5.53	4.23 5.948	3.977 6.189
Quartile 3	7.675	7.363 8.087	6.993 8.406	6.709 8.594

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.74	0.411 -0.4177
Quartile 2	-0.685	0.5223 -0.5264
Quartile 3	-0.205	0.4438 -0.4393

{}

2021A: VLA only

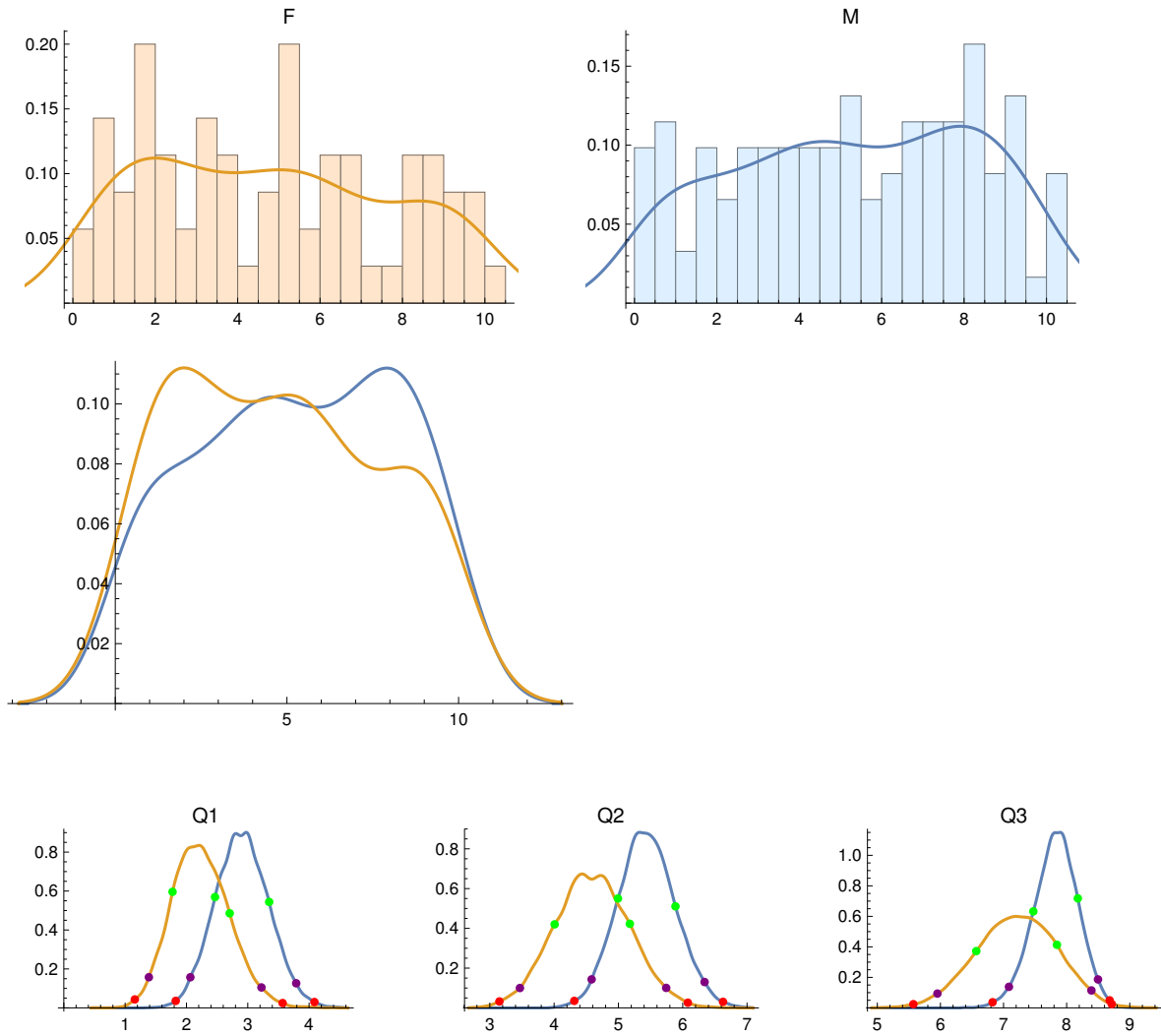
No. Female PIs = 70

No. Male PIs = 122

F PI Quartiles: {2.11, 4.795, 6.97}

M PI Quartiles: {2.94, 5.44, 7.89}

Anderson-Darling two-sample test p-value: 0.319451



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.94	2.466 3.349	2.064 3.79	1.825 4.087
Quartile 2	5.44	4.993 5.887	4.583 6.34	4.314 6.627
Quartile 3	7.89	7.472 8.177	7.086 8.497	6.827 8.681

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.11	1.773 2.706	1.387 3.223	1.158 3.569
Quartile 2	4.795	4.008 5.178	3.469 5.743	3.149 6.08
Quartile 3	6.97	6.568 7.846	5.952 8.392	5.571 8.715

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.83	0.6372 -0.6461
Quartile 2	-0.645	0.7311 -0.7375
Quartile 3	-0.92	0.7278 -0.721

{}

All Years, 2012-2021A: VLA only

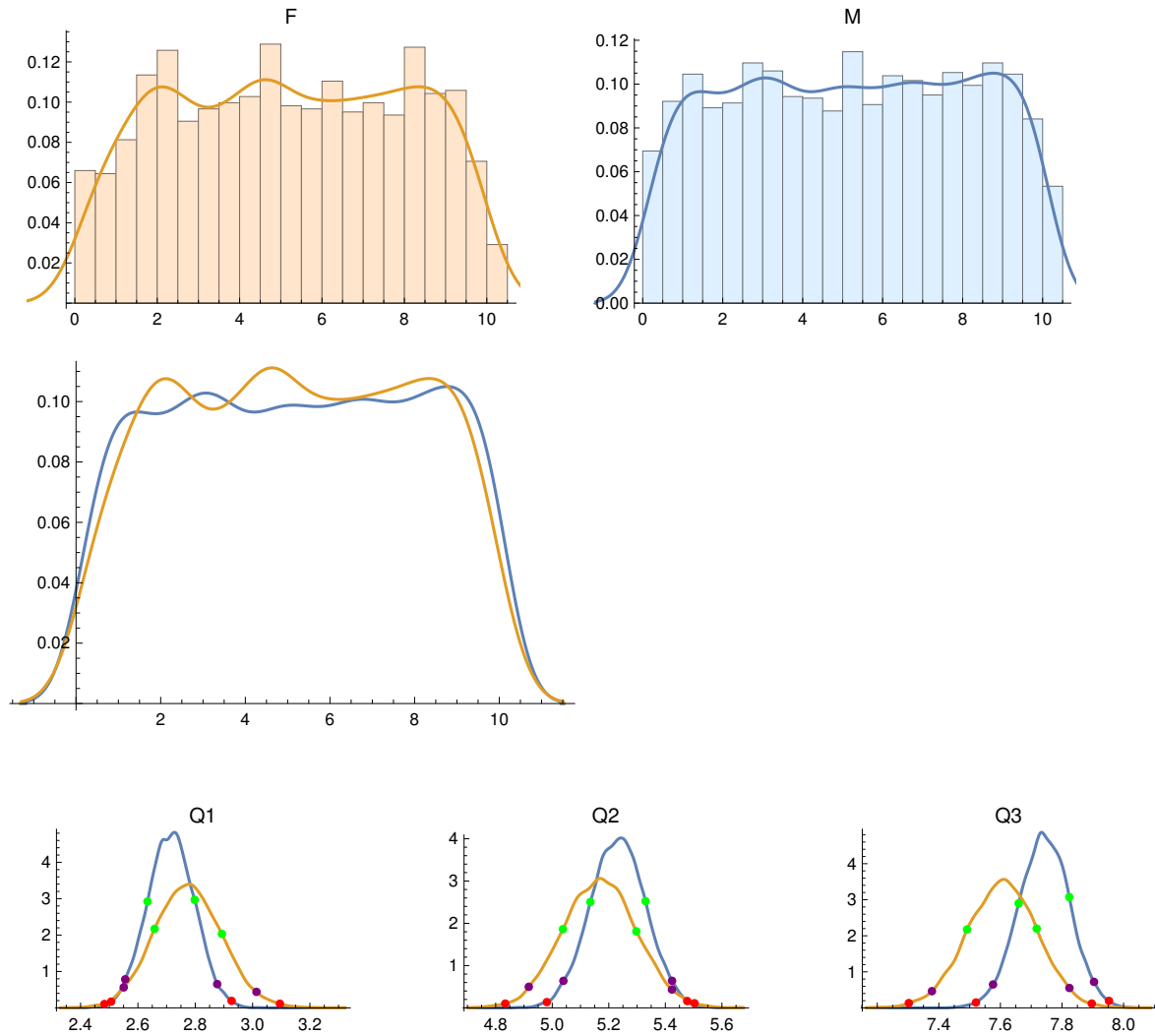
No. Female PIs = 1304

No. Male PIs = 2736

F PI Quartiles: {2.7, 5.12, 7.62}

M PI Quartiles: {2.73, 5.215, 7.775}

Anderson-Darling two-sample test p-value: 0.135401



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.634 2.798	2.556 2.877	2.507 2.927
Quartile 2	5.215	5.135 5.33	5.039 5.424	4.981 5.477
Quartile 3	7.775	7.659 7.824	7.576 7.904	7.521 7.952

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.7	2.658 2.893	2.55 3.014	2.483 3.095
Quartile 2	5.12	5.038 5.297	4.917 5.423	4.834 5.503
Quartile 3	7.62	7.492 7.718	7.378 7.824	7.303 7.897

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.03	0.1424 -0.1421
Quartile 2	-0.095	0.1636 -0.1605
Quartile 3	-0.155	0.1399 -0.1411

{}

2012: GBT only

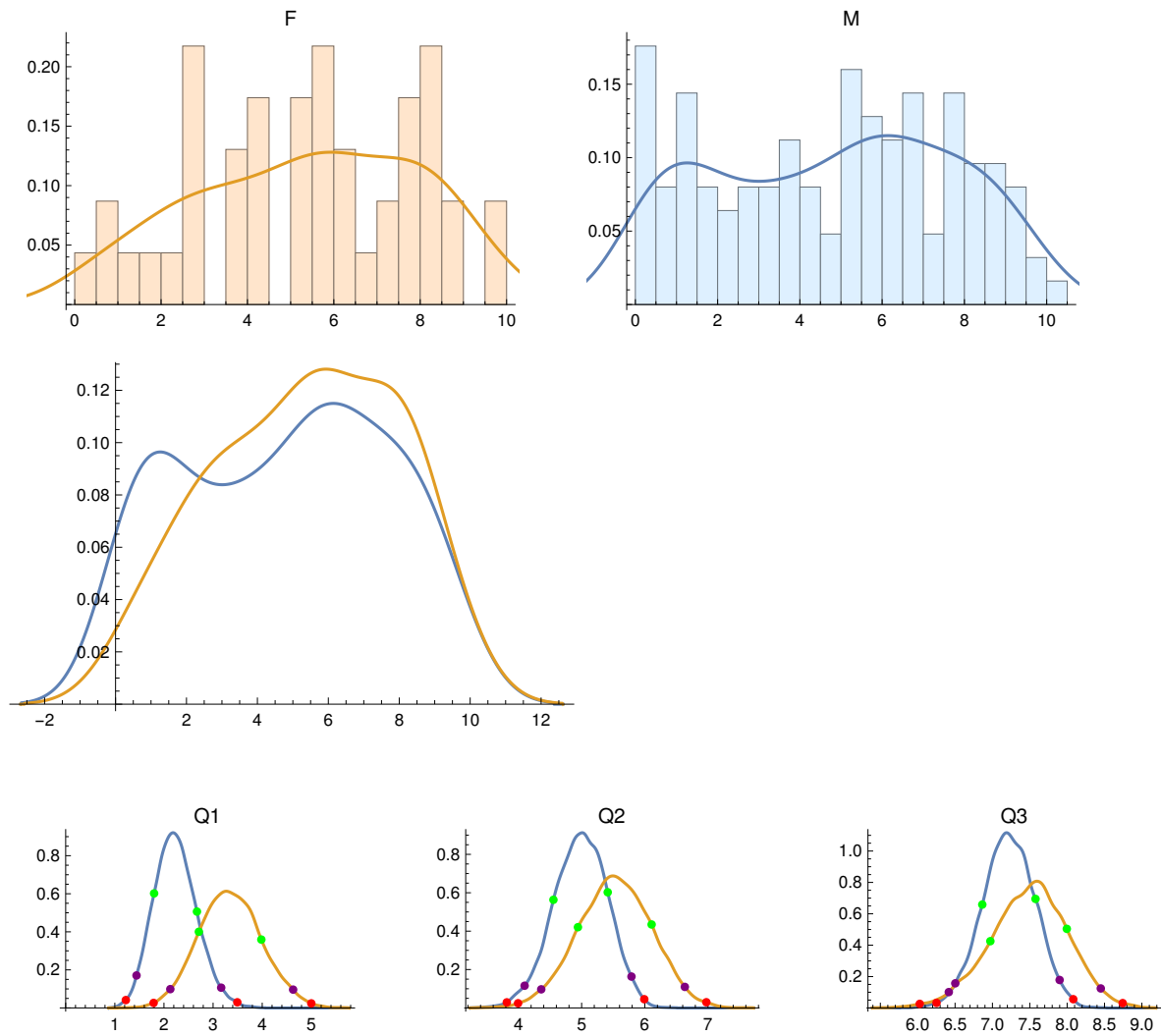
No. Female PIs = 46

No. Male PIs = 125

F PI Quartiles: {3.55, 5.62, 7.72}

M PI Quartiles: {2.11, 5.16, 7.16}

Anderson-Darling two-sample test p-value: 0.299636



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.11	1.8 2.672	1.442 3.165	1.224 3.493
Quartile 2	5.16	4.553 5.413	4.097 5.789	3.815 5.992
Quartile 3	7.16	6.864 7.577	6.503 7.9	6.252 8.082

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.55	2.711 3.982	2.13 4.629	1.79 4.999
Quartile 2	5.62	4.941 6.108	4.36 6.634	3.994 6.975
Quartile 3	7.72	6.972 7.996	6.416 8.45	6.027 8.744

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.44	0.7729 -0.7811
Quartile 2	0.46	0.7264 -0.7226
Quartile 3	0.56	0.6162 -0.6203

{}

2013: GBT only

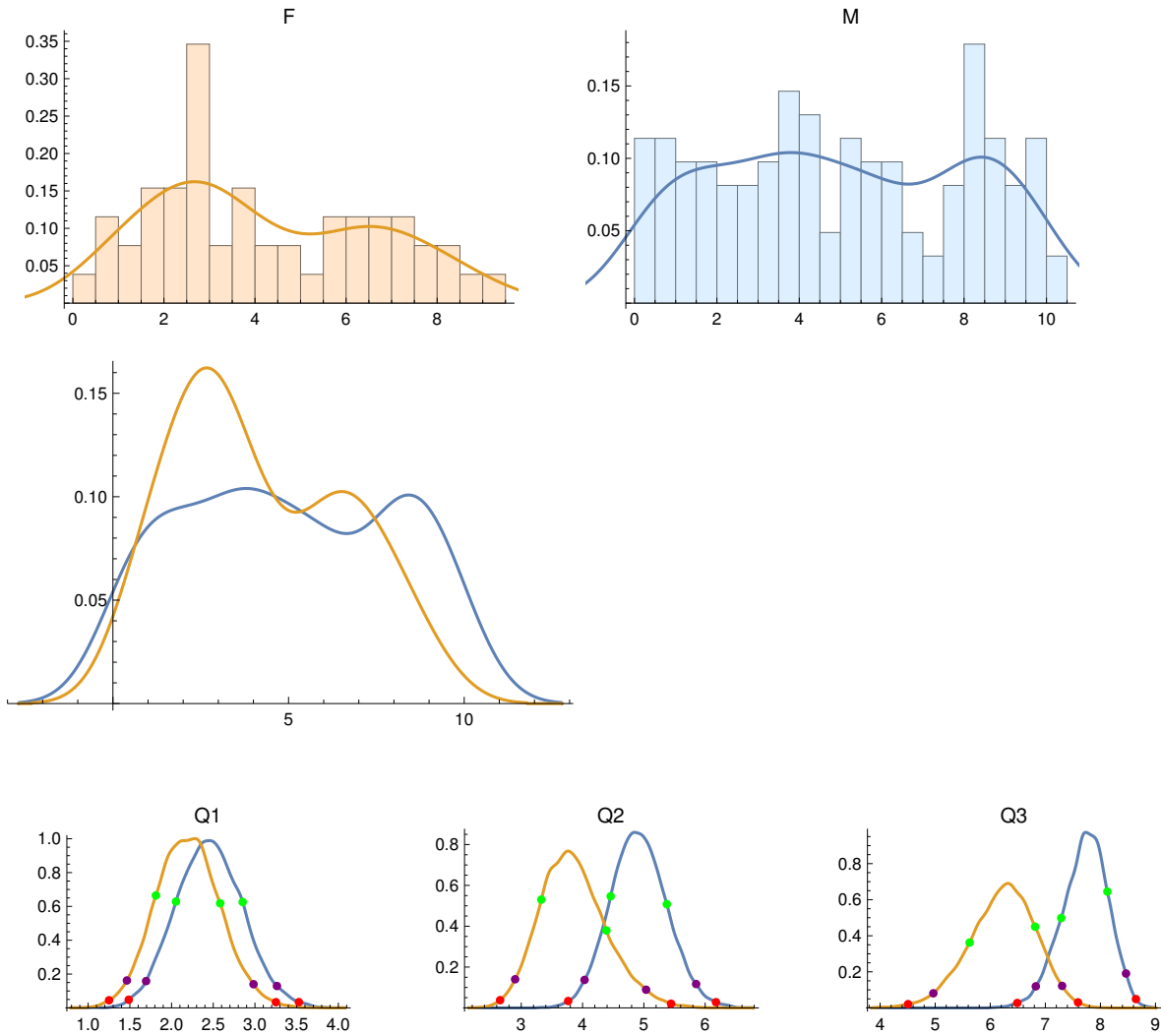
No. Female PIs = 52

No. Male PIs = 123

F PI Quartiles: {2.435, 3.68, 6.27}

M PI Quartiles: {2.455, 4.76, 8.1075}

Anderson-Darling two-sample test p-value: 0.0394319



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.455	2.053 2.853	1.695 3.264	1.487 3.527
Quartile 2	4.76	4.458 5.375	4.033 5.852	3.765 6.176
Quartile 3	8.108	7.288 8.126	6.827 8.465	6.49 8.645

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.435	1.812 2.582	1.465 2.983	1.251 3.251
Quartile 2	3.68	3.327 4.389	2.9 5.036	2.655 5.444
Quartile 3	6.27	5.624 6.814	4.967 7.304	4.507 7.594

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.02	0.5578 -0.5542
Quartile 2	-1.08	0.7118 -0.7089
Quartile 3	-1.8375	0.7308 -0.7377

{}

2014: GBT only

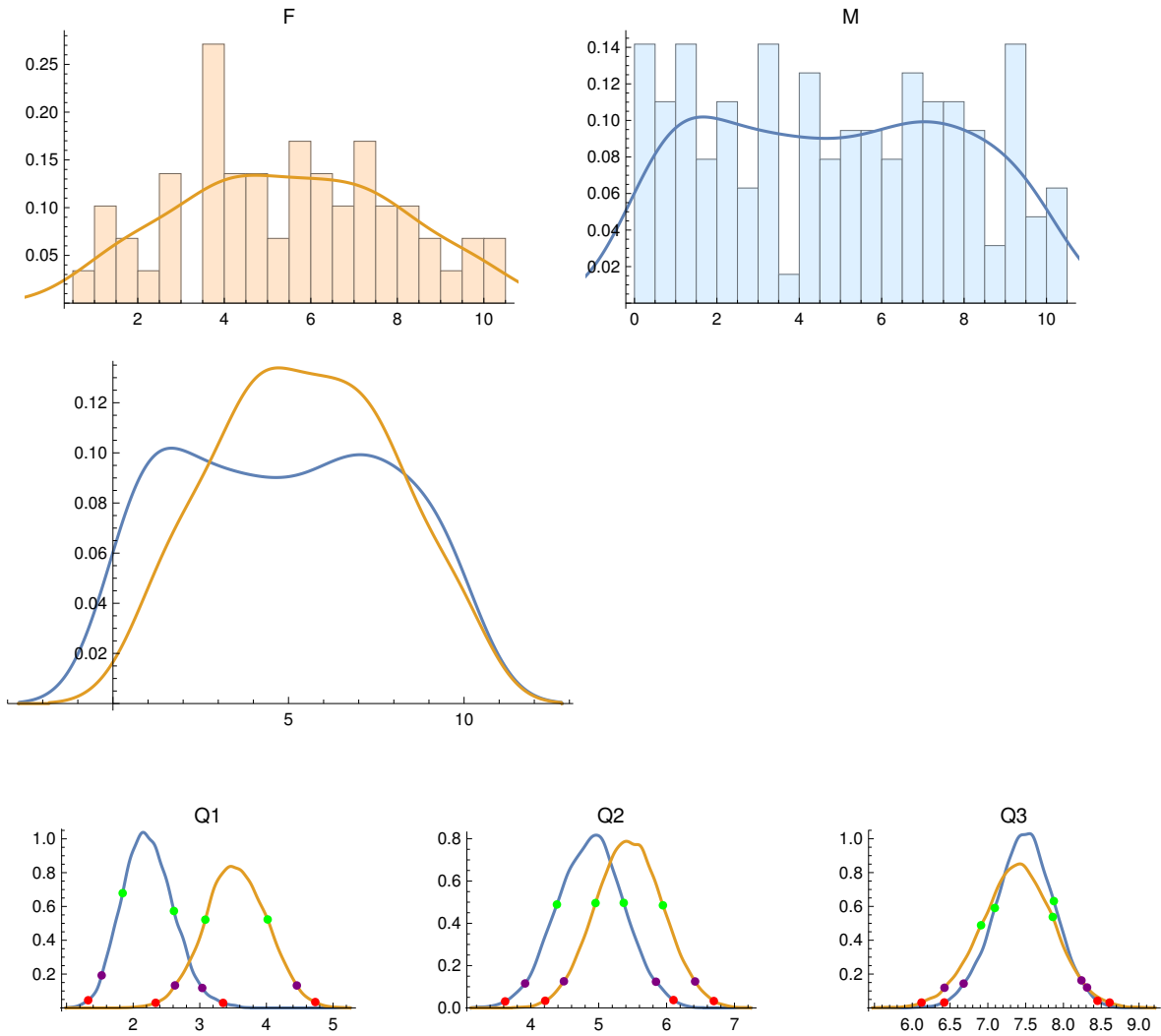
No. Female PIs = 59

No. Male PIs = 127

F PI Quartiles: {3.6775, 5.59, 7.2675}

M PI Quartiles: {2.15, 4.75, 7.415}

Anderson-Darling two-sample test p-value: 0.0758719



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.15	1.842 2.612	1.527 3.037	1.324 3.35
Quartile 2	4.75	4.384 5.369	3.916 5.843	3.622 6.101
Quartile 3	7.415	7.092 7.873	6.68 8.238	6.423 8.451

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.678	3.083 4.019	2.627 4.457	2.337 4.734
Quartile 2	5.59	4.953 5.946	4.487 6.42	4.212 6.696
Quartile 3	7.268	6.91 7.859	6.426 8.312	6.122 8.611

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.5275	0.6056 -0.6077
Quartile 2	0.84	0.6943 -0.7031
Quartile 3	-0.1475	0.6127 -0.6118

{}

2015: GBT only

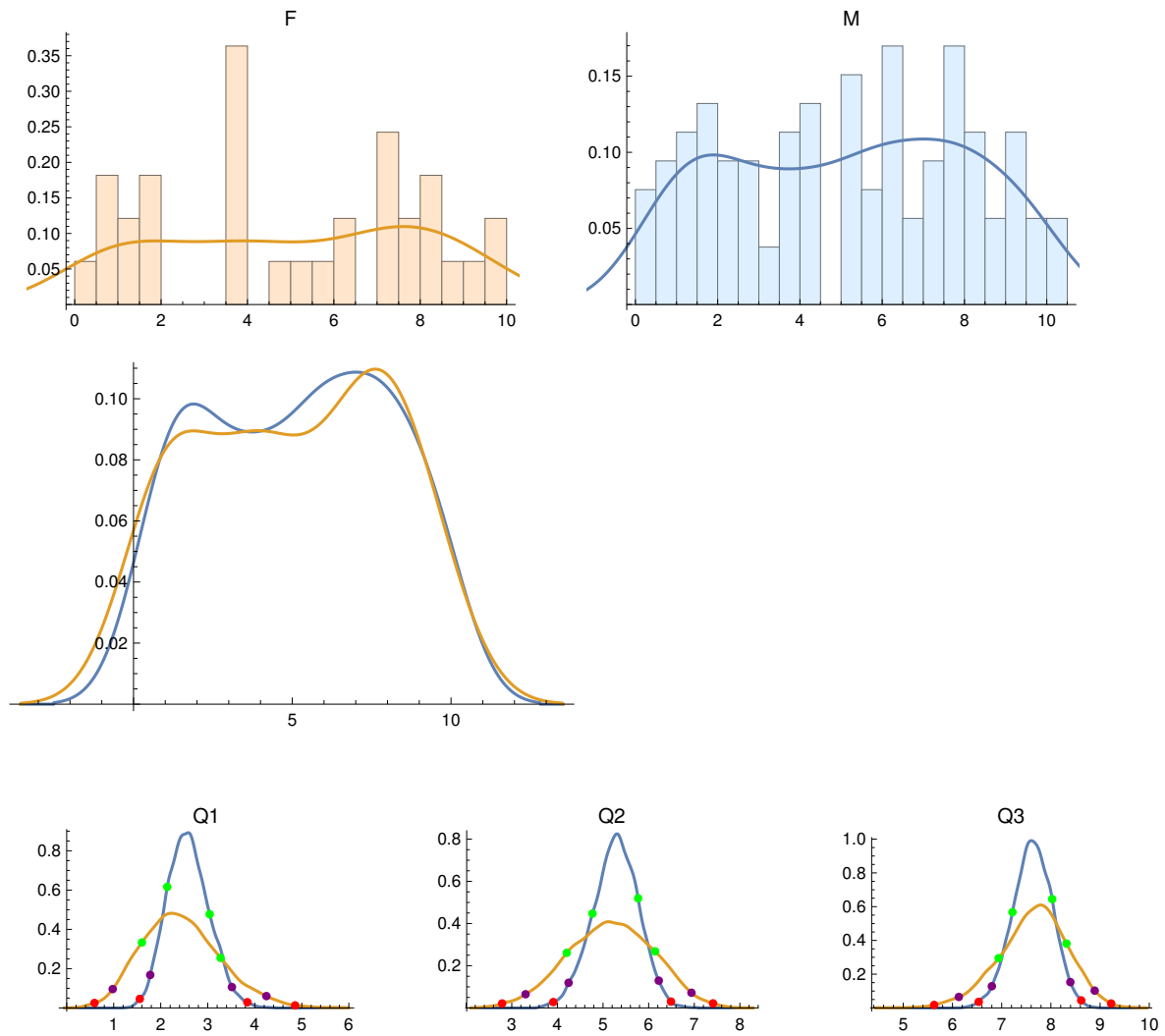
No. Female PIs = 33

No. Male PIs = 106

F PI Quartiles: {1.73, 5., 7.8225}

M PI Quartiles: {2.39, 5.39, 7.58}

Anderson-Darling two-sample test p-value: 0.944055



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.39	2.138 3.041	1.776 3.514	1.555 3.843
Quartile 2	5.39	4.769 5.769	4.246 6.221	3.911 6.49
Quartile 3	7.58	7.219 8.028	6.8 8.396	6.534 8.616

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.73	1.6 3.273	0.979 4.248	0.591 4.857
Quartile 2	5.	4.206 6.141	3.303 6.938	2.789 7.411
Quartile 3	7.822	6.939 8.318	6.13 8.891	5.628 9.225

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.66	0.9349 -0.939
Quartile 2	-0.39	1.0772 -1.0698
Quartile 3	0.2425	0.8028 -0.8033

{}

2016: GBT only

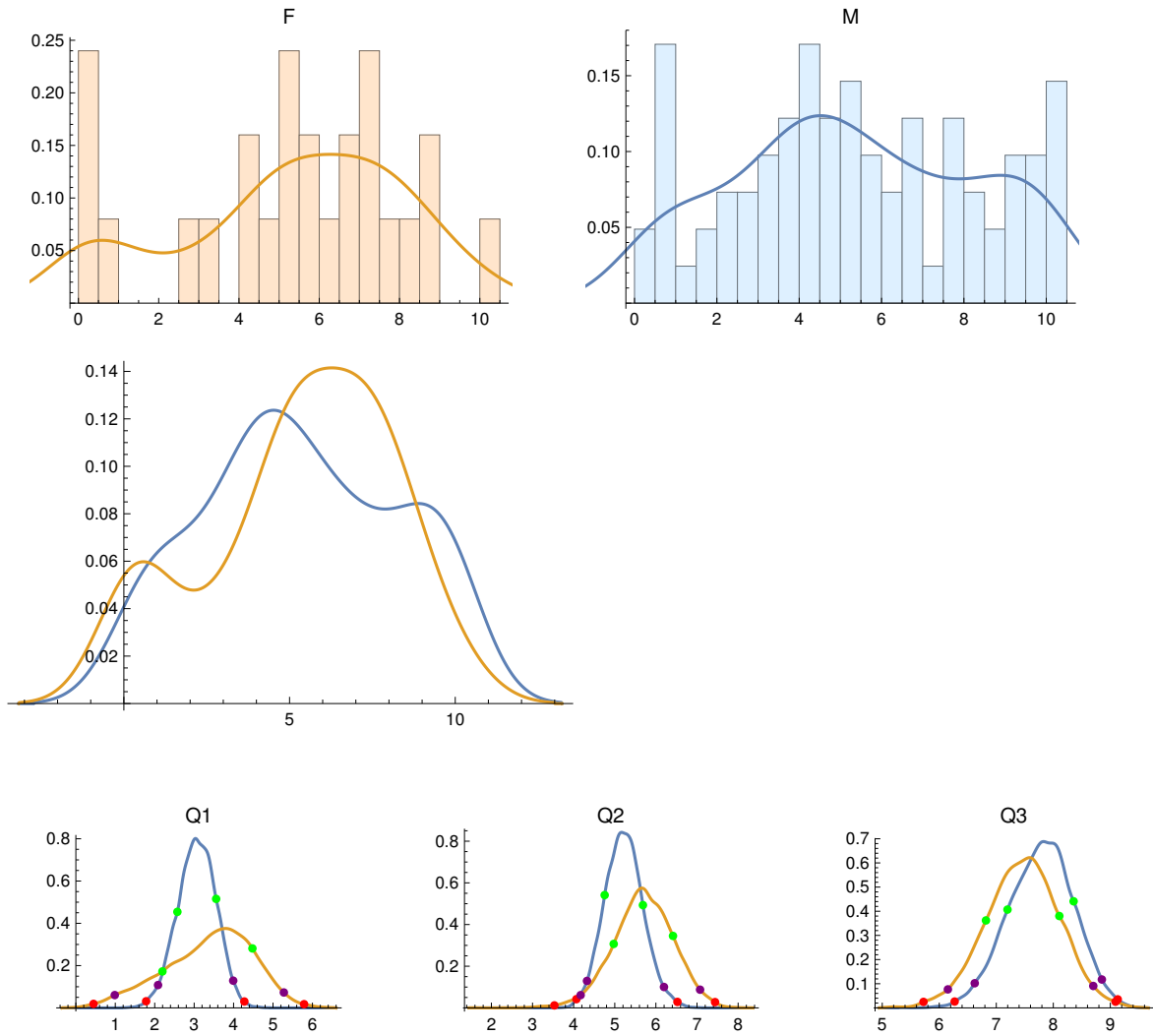
No. Female PIs = 25

No. Male PIs = 82

F PI Quartiles: {3.935, 5.56, 7.385}

M PI Quartiles: {3.33, 5.045, 7.67}

Anderson-Darling two-sample test p-value: 0.552959



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.33	2.575 3.558	2.084 3.991	1.782 4.273
Quartile 2	5.045	4.754 5.685	4.325 6.197	4.068 6.524
Quartile 3	7.67	7.197 8.356	6.622 8.852	6.27 9.13

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.935	2.195 4.478	0.987 5.275	0.449 5.788
Quartile 2	5.56	4.974 6.416	4.171 7.075	3.532 7.439
Quartile 3	7.385	6.819 8.106	6.151 8.701	5.723 9.091

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.605	1.1935 -1.2805
Quartile 2	0.515	0.8751 -0.8728
Quartile 3	-0.285	0.8635 -0.8524

{}

2017: GBT only

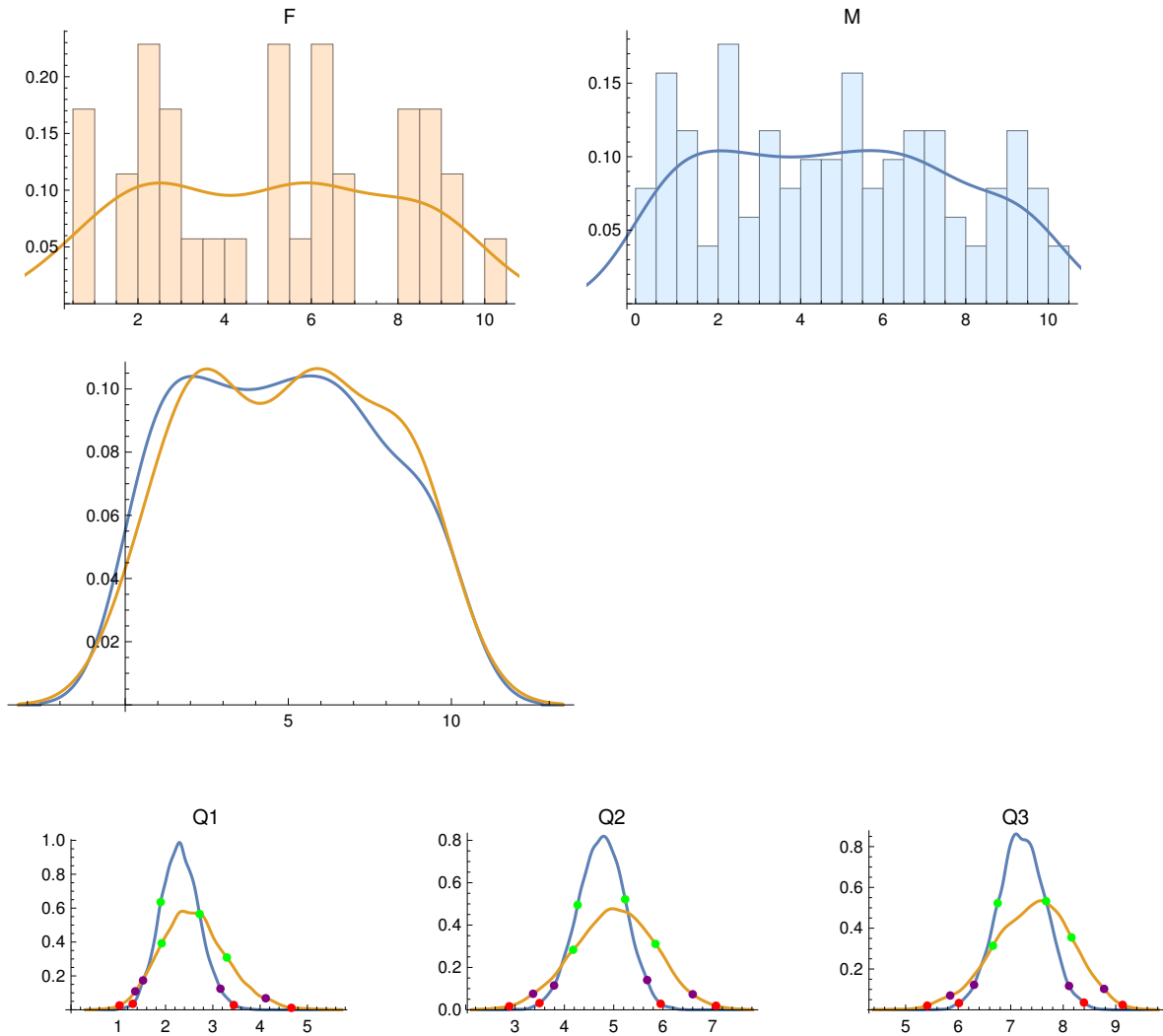
No. Female PIs = 35

No. Male PIs = 102

F PI Quartiles: {2.4025, 5.29, 7.8175}

M PI Quartiles: {2.22, 4.875, 7.07}

Anderson-Darling two-sample test p-value: 0.923964



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.22	1.896 2.72	1.524 3.161	1.307 3.444
Quartile 2	4.875	4.268 5.232	3.79 5.678	3.495 5.951
Quartile 3	7.07	6.753 7.673	6.303 8.11	6.015 8.394

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.402	1.918 3.297	1.359 4.119	1.026 4.662
Quartile 2	5.29	4.177 5.845	3.365 6.6	2.882 7.074
Quartile 3	7.818	6.662 8.157	5.848 8.778	5.411 9.13

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1825	0.8176 -0.8074
Quartile 2	0.415	0.947 -0.9477
Quartile 3	0.7475	0.8704 -0.8773

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2018: GBT only

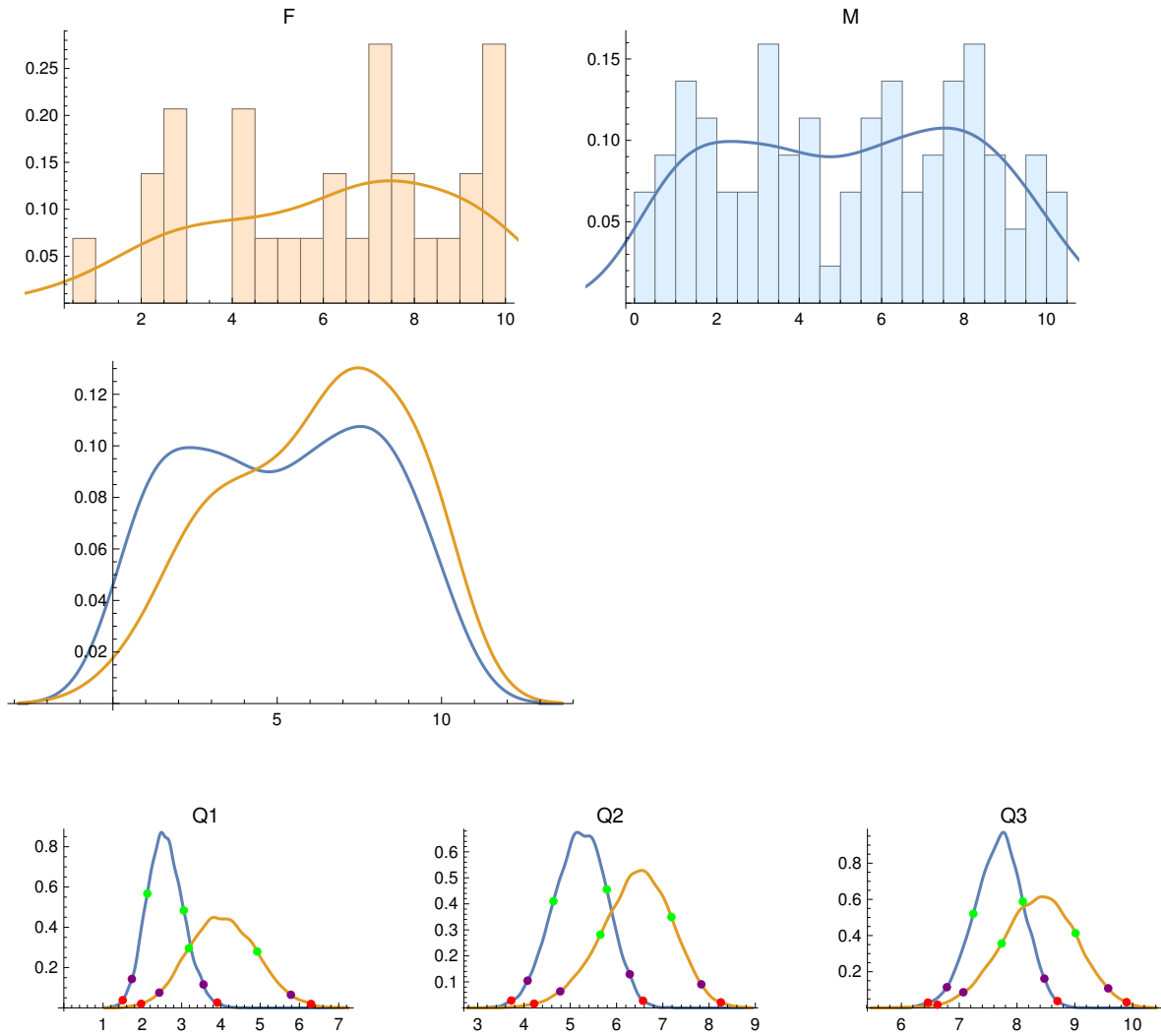
No. Female PIs = 29

No. Male PIs = 88

F PI Quartiles: {4.1375, 6.83, 8.38}

M PI Quartiles: {2.65, 5.475, 7.605}

Anderson-Darling two-sample test p-value: 0.146786



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.65	2.127 3.055	1.732 3.557	1.5 3.909
Quartile 2	5.475	4.637 5.789	4.079 6.286	3.724 6.572
Quartile 3	7.605	7.245 8.1	6.787 8.474	6.459 8.7

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	4.138	3.186 4.926	2.432 5.784	1.969 6.297
Quartile 2	6.83	5.65 7.186	4.783 7.832	4.219 8.255
Quartile 3	8.38	7.733 9.013	7.071 9.577	6.625 9.895

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.4875	0.9772 -0.9918
Quartile 2	1.355	0.9435 -0.9629
Quartile 3	0.775	0.7718 -0.7545

{ }

2019: GBT only

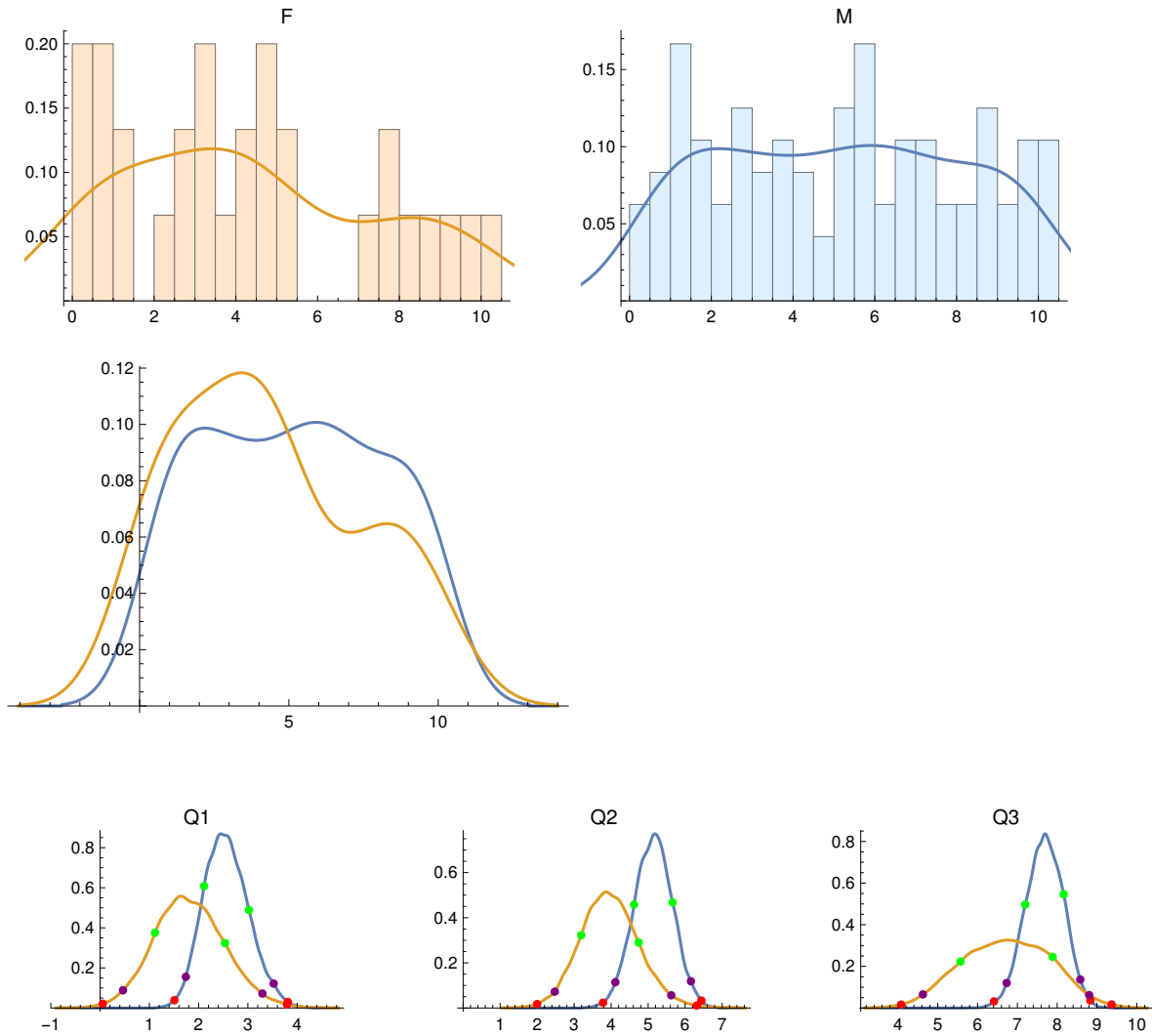
No. Female PIs = 30

No. Male PIs = 96

F PI Quartiles: {1.49, 4.025, 7.27}

M PI Quartiles: {2.615, 5.055, 7.555}

Anderson-Darling two-sample test p-value: 0.231592



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.615	2.112 3.023	1.74 3.524	1.508 3.811
Quartile 2	5.055	4.621 5.661	4.114 6.157	3.782 6.438
Quartile 3	7.555	7.198 8.163	6.731 8.581	6.414 8.832

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.49	1.115 2.535	0.465 3.296	0.054 3.796
Quartile 2	4.025	3.192 4.742	2.477 5.625	1.999 6.314
Quartile 3	7.27	5.571 7.886	4.625 8.806	4.078 9.369

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-1.125	0.85 -0.8564
Quartile 2	-1.03	0.943 -0.9525
Quartile 3	-0.285	1.2507 -1.249

{}

2020: GBT only

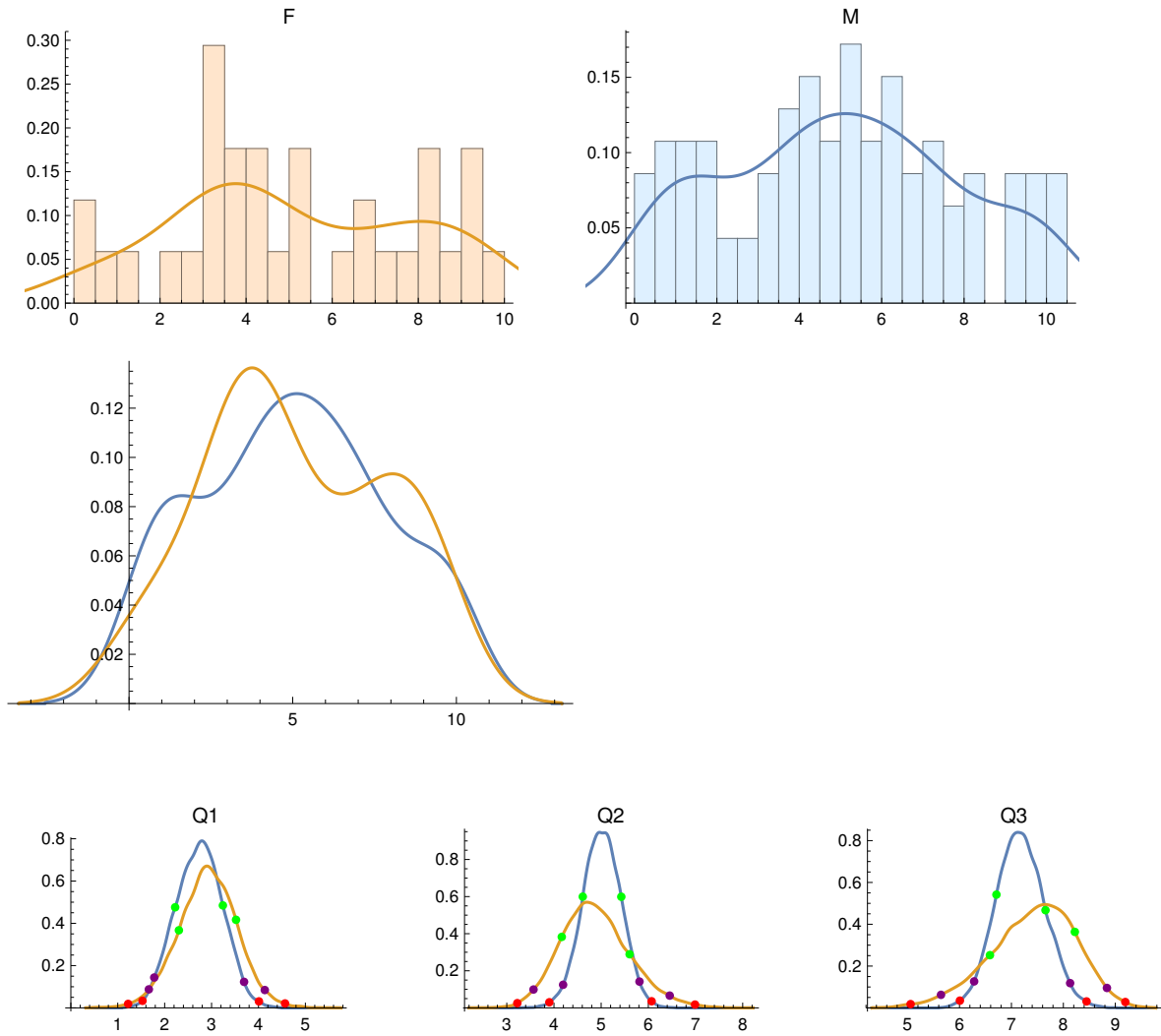
No. Female PIs = 34

No. Male PIs = 93

F PI Quartiles: {3.09, 4.42, 7.5}

M PI Quartiles: {2.9775, 5., 7.11}

Anderson-Darling two-sample test p-value: 0.669848



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.978	2.224 3.241	1.778 3.693	1.528 4.01
Quartile 2	5.	4.611 5.427	4.194 5.813	3.902 6.07
Quartile 3	7.11	6.711 7.656	6.282 8.13	6.008 8.447

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.09	2.303 3.521	1.663 4.135	1.222 4.567
Quartile 2	4.42	4.165 5.603	3.566 6.453	3.223 6.99
Quartile 3	7.5	6.586 8.221	5.644 8.839	5.059 9.193

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1125	0.7849 -0.7864
Quartile 2	-0.58	0.8169 -0.8158
Quartile 3	0.39	0.9395 -0.9528

{ }

2021A: GBT only

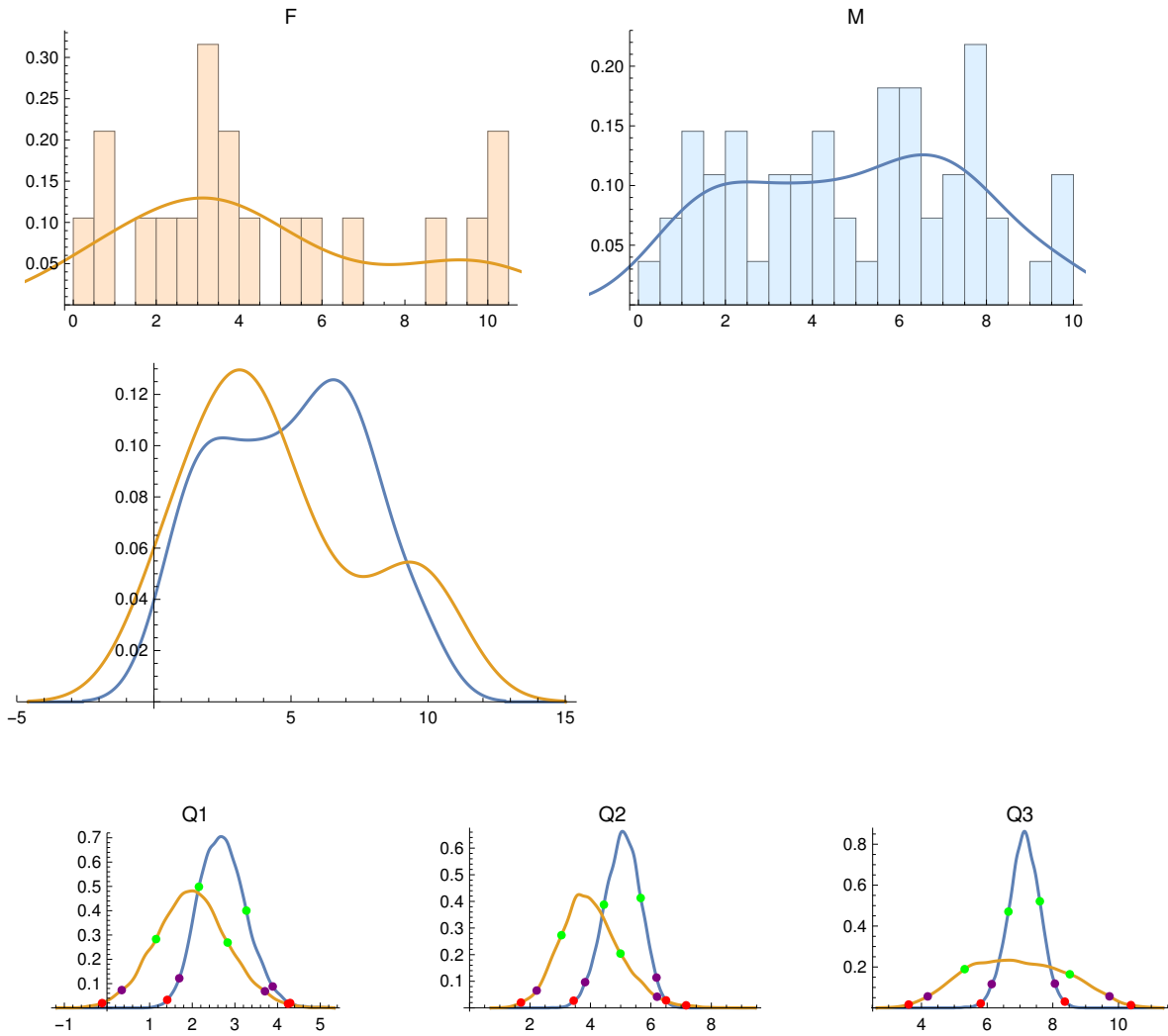
No. Female PIs = 19

No. Male PIs = 55

F PI Quartiles: {2.485, 3.53, 6.5125}

M PI Quartiles: {2.4975, 5., 7.2175}

Anderson-Darling two-sample test p-value: 0.168256



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.498	2.156 3.269	1.696 3.887	1.413 4.296
Quartile 2	5.	4.445 5.662	3.823 6.185	3.444 6.501
Quartile 3	7.217	6.648 7.606	6.139 8.063	5.804 8.366

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.485	1.152 2.829	0.346 3.705	-0.114 4.246
Quartile 2	3.53	3.041 4.993	2.221 6.203	1.7 7.165
Quartile 3	6.512	5.315 8.518	4.19 9.726	3.61 10.38

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.0125	1.0173 -1.0006
Quartile 2	-1.47	1.1573 -1.1404
Quartile 3	-0.705	1.6614 -1.6418

{}

All Years, 2012-2021A: GBT only

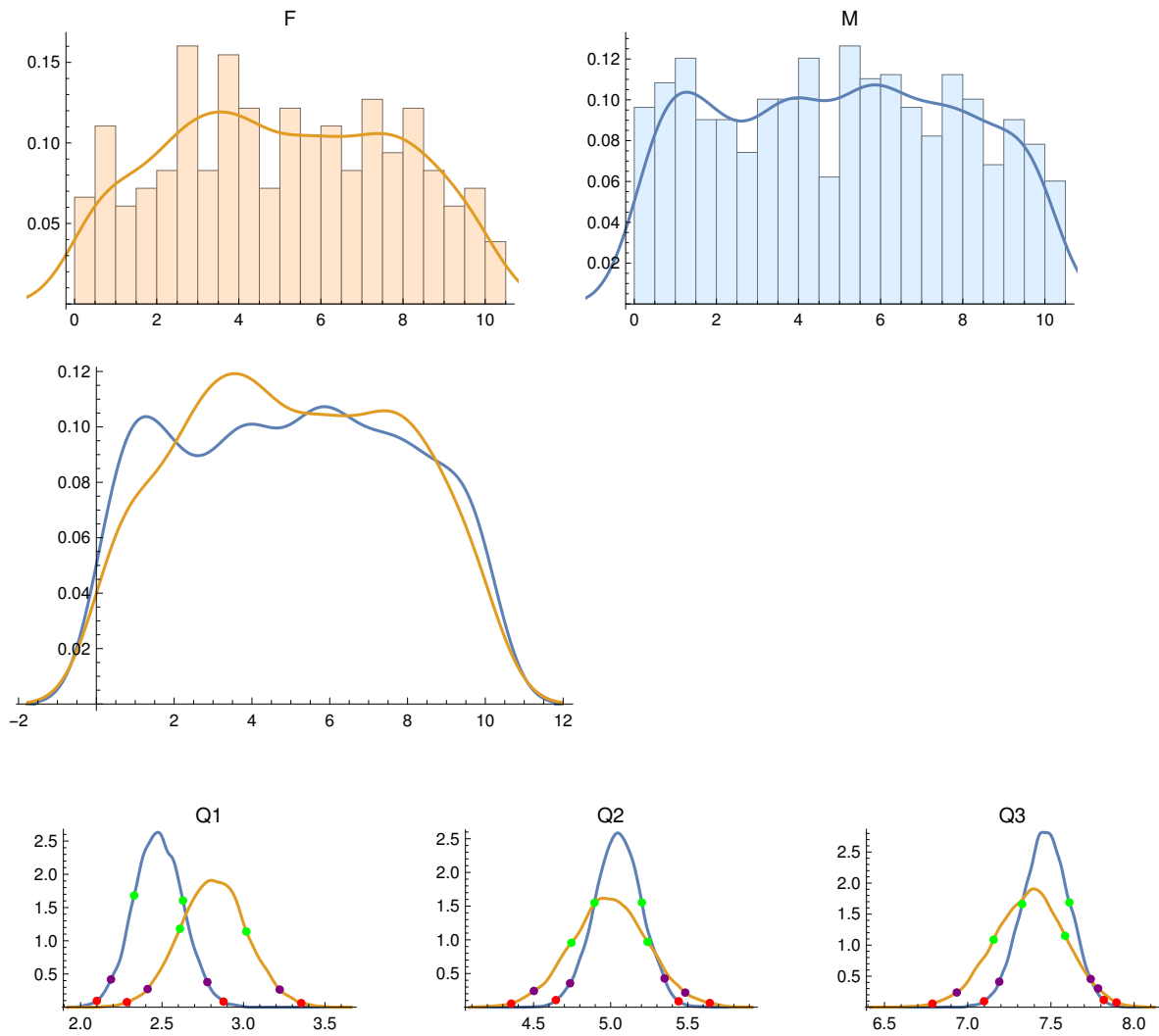
No. Female PIs = 362

No. Male PIs = 997

F PI Quartiles: {2.83, 5., 7.37}

M PI Quartiles: {2.44, 5.08, 7.5}

Anderson-Darling two-sample test p-value: 0.327101



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.44	2.329 2.629	2.187 2.778	2.1 2.877
Quartile 2	5.08	4.895 5.203	4.737 5.35	4.645 5.441
Quartile 3	7.5	7.327 7.611	7.189 7.739	7.098 7.817

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.83	2.61 3.018	2.412 3.222	2.284 3.354
Quartile 2	5.	4.745 5.239	4.502 5.484	4.355 5.643
Quartile 3	7.37	7.156 7.585	6.934 7.783	6.788 7.894

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.39	0.2548 -0.2555
Quartile 2	-0.08	0.2904 -0.2919
Quartile 3	-0.13	0.2586 -0.2581

{}

2012: VLBA only

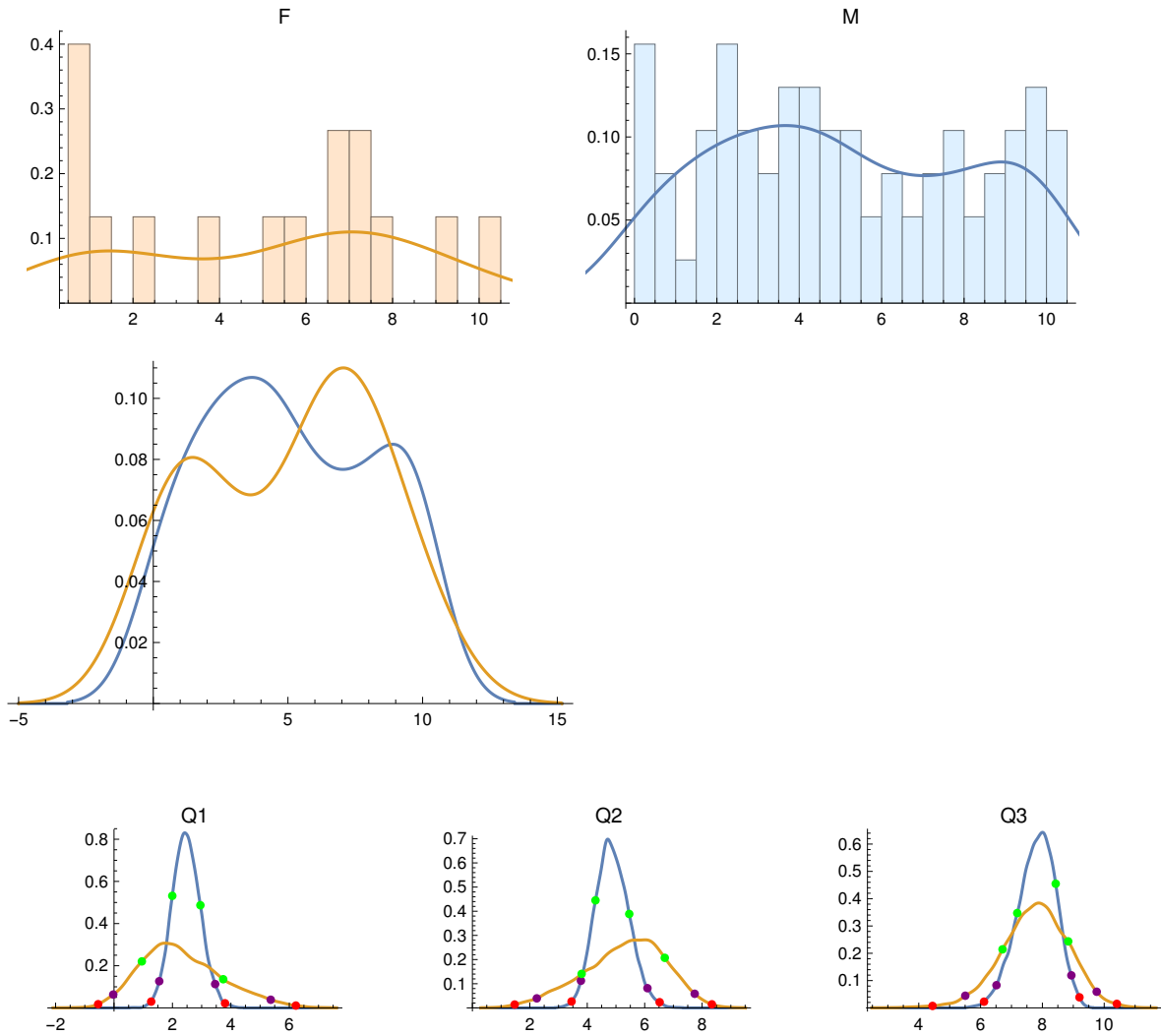
No. Female PIs = 15

No. Male PIs = 77

F PI Quartiles: {1.53, 5.87, 7.45}

M PI Quartiles: {2.335, 4.64, 7.745}

Anderson-Darling two-sample test p-value: 0.841622



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.335	1.995 2.957	1.548 3.462	1.273 3.8
Quartile 2	4.64	4.287 5.462	3.78 6.096	3.453 6.521
Quartile 3	7.745	7.187 8.431	6.515 8.937	6.112 9.199

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.53	0.953 3.738	-0.027 5.365	-0.543 6.225
Quartile 2	5.87	3.804 6.7	2.243 7.742	1.472 8.341
Quartile 3	7.45	6.711 8.836	5.505 9.757	4.445 10.409

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.805	1.5014 -1.446
Quartile 2	1.23	1.5393 -1.5993
Quartile 3	-0.295	1.2364 -1.229

{}

2013: VLBA only

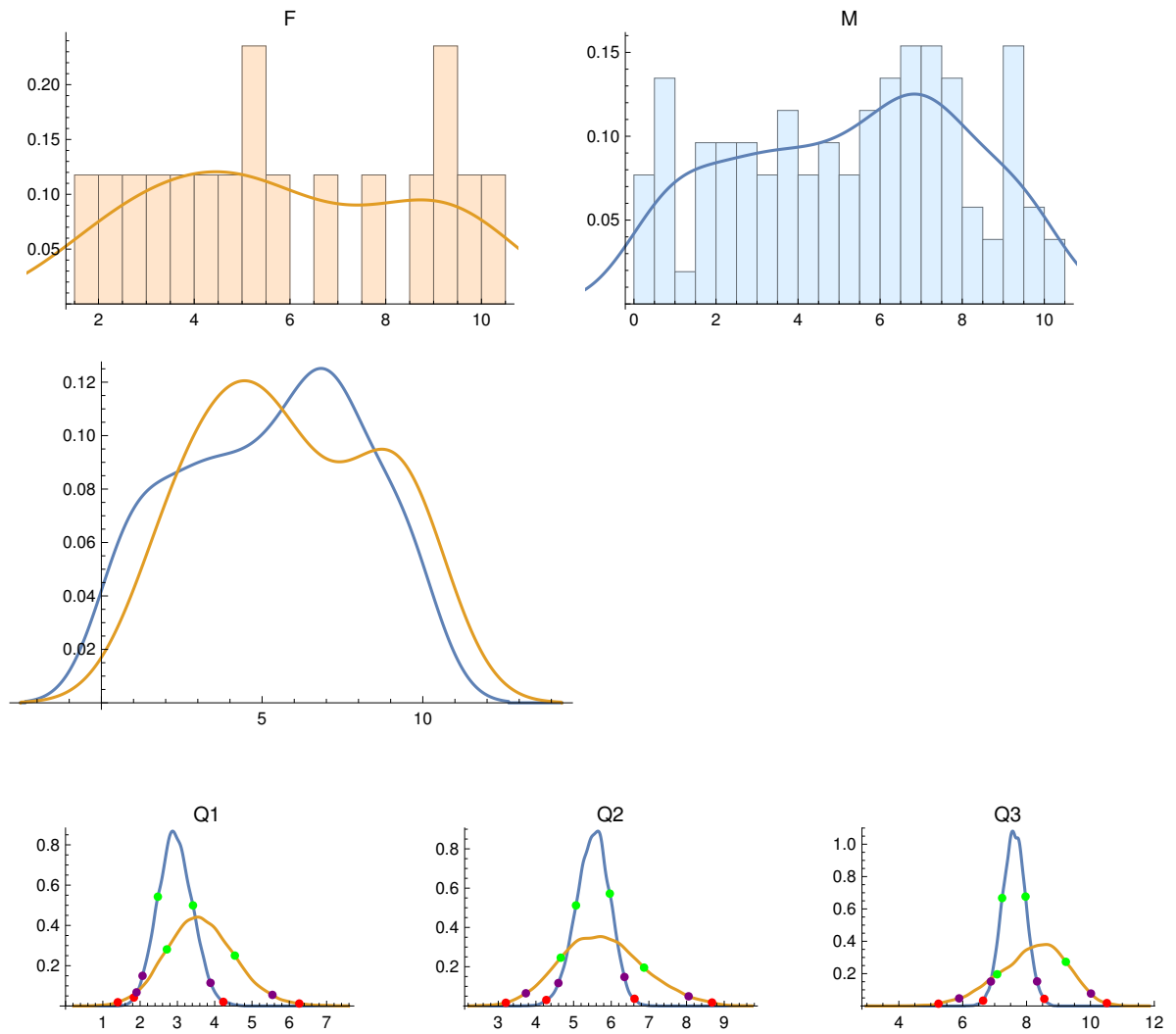
No. Female PIs = 17

No. Male PIs = 104

F PI Quartiles: {3.7825, 5.31, 8.695}

M PI Quartiles: {2.975, 5.645, 7.385}

Anderson-Darling two-sample test p-value: 0.558452



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.975	2.476 3.417	2.065 3.888	1.834 4.231
Quartile 2	5.645	5.064 5.962	4.597 6.352	4.276 6.618
Quartile 3	7.385	7.235 7.968	6.882 8.329	6.638 8.555

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.782	2.718 4.54	1.904 5.547	1.402 6.267
Quartile 2	5.31	4.659 6.871	3.733 8.055	3.201 8.676
Quartile 3	8.695	7.079 9.23	5.889 10.016	5.241 10.515

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.8075	1.0238 -1.0328
Quartile 2	-0.335	1.2142 -1.199
Quartile 3	1.31	1.1159 -1.1407

{}

2014: VLBA only

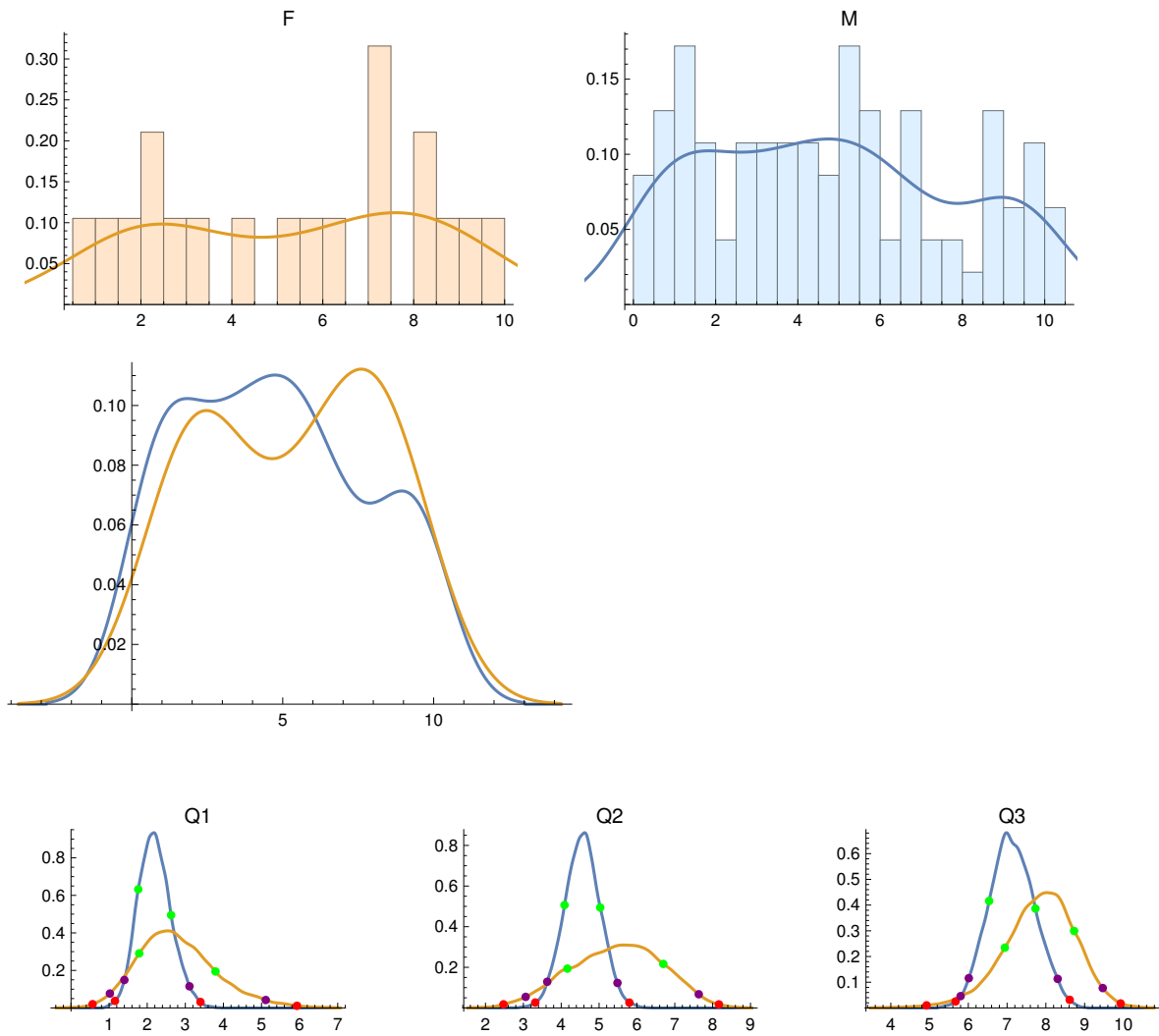
No. Female PIs = 19

No. Male PIs = 93

F PI Quartiles: {2.455, 5.56, 7.865}

M PI Quartiles: {2.095, 4.6, 6.8175}

Anderson-Darling two-sample test p-value: 0.508053



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.095	1.764 2.627	1.401 3.11	1.155 3.398
Quartile 2	4.6	4.088 5.031	3.631 5.486	3.314 5.801
Quartile 3	6.818	6.537 7.731	6.012 8.305	5.671 8.615

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.455	1.79 3.792	1.021 5.111	0.566 5.929
Quartile 2	5.56	4.163 6.696	3.06 7.633	2.474 8.165
Quartile 3	7.865	6.943 8.729	5.801 9.468	4.922 9.93

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.36	1.0907 -1.0942
Quartile 2	0.96	1.3259 -1.3608
Quartile 3	1.0475	1.0709 -1.0636

{}

2015: VLBA only

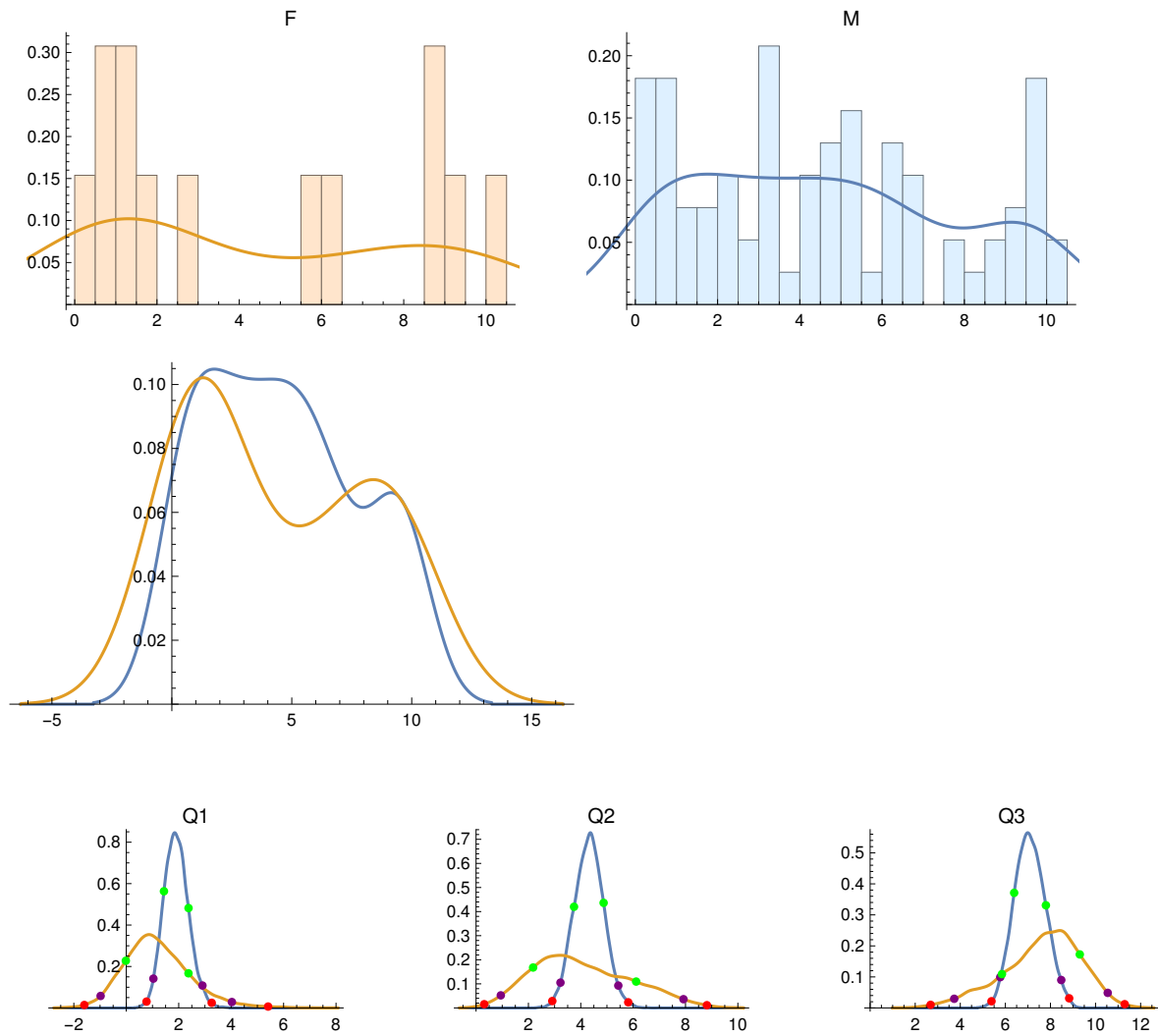
No. Female PIs = 13

No. Male PIs = 77

F PI Quartiles: {1.0375, 2.58, 8.6425}

M PI Quartiles: {1.925, 4.44, 6.695}

Anderson-Darling two-sample test p-value: 0.617234



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.925	1.437 2.374	1.034 2.905	0.773 3.258
Quartile 2	4.44	3.742 4.872	3.224 5.433	2.912 5.813
Quartile 3	6.695	6.39 7.798	5.773 8.48	5.384 8.83

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.038	-0.017 2.372	-0.979 4.028	-1.6 5.409
Quartile 2	2.58	2.179 6.115	0.946 7.922	0.312 8.817
Quartile 3	8.642	5.848 9.302	3.731 10.541	2.683 11.293

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.8875	1.2776 -1.2859
Quartile 2	-1.86	2.099 -1.9636
Quartile 3	1.9475	1.8308 -1.8996

{}

2016: VLBA only

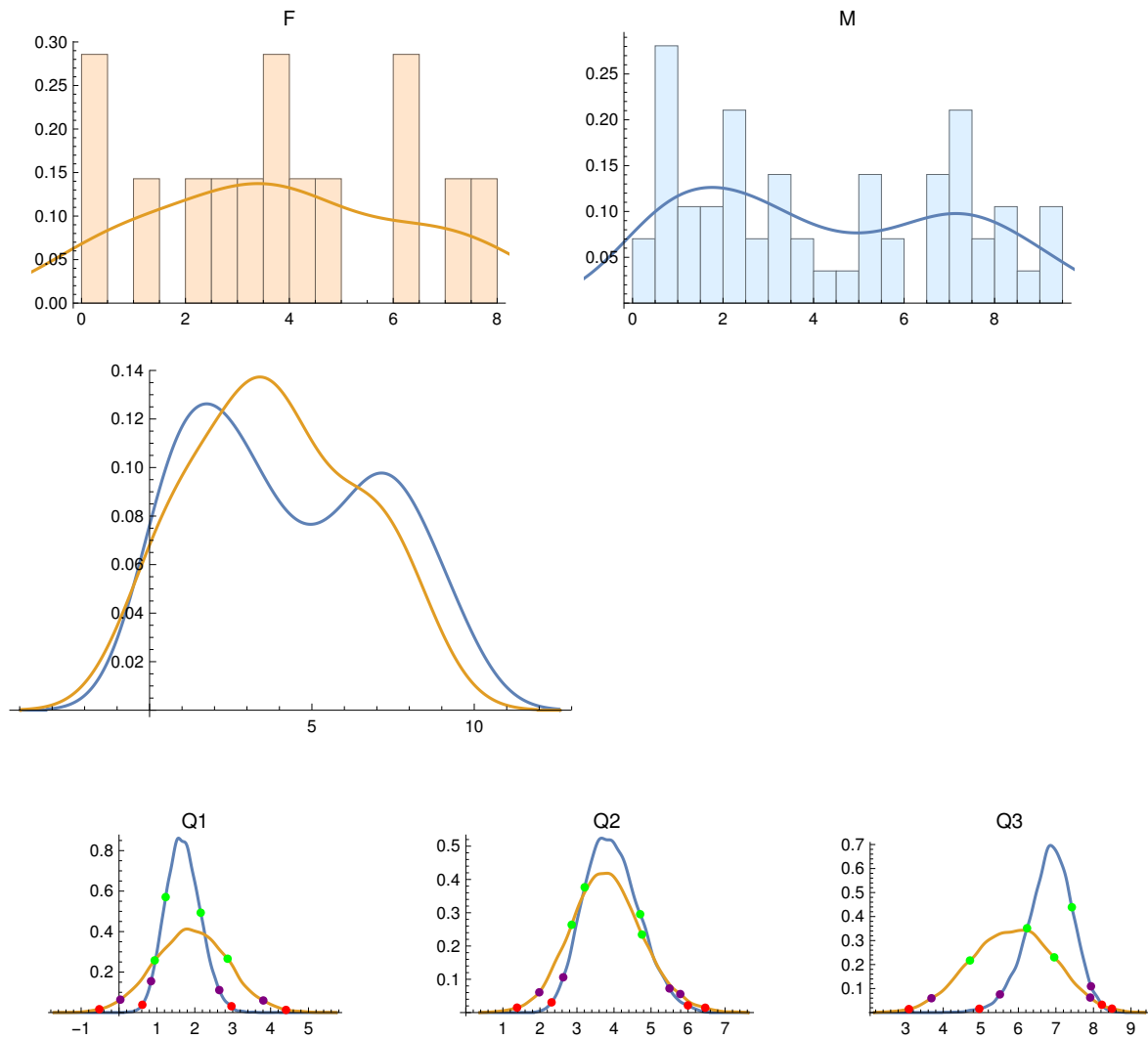
No. Female PIs = 14

No. Male PIs = 57

F PI Quartiles: {2., 3.71, 6.32}

M PI Quartiles: {1.6575, 3.67, 7.}

Anderson-Darling two-sample test p-value: 0.474881



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.658	1.231 2.156	0.845 2.646	0.616 2.967
Quartile 2	3.67	3.209 4.707	2.63 5.498	2.314 5.995
Quartile 3	7.	6.232 7.424	5.509 7.934	4.96 8.224

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.	0.942 2.866	0.035 3.808	-0.521 4.407
Quartile 2	3.71	2.857 4.755	1.983 5.79	1.383 6.464
Quartile 3	6.32	4.711 6.955	3.686 7.913	3.086 8.492

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.3425	1.0665 -1.0584
Quartile 2	0.04	1.2059 -1.208
Quartile 3	-0.68	1.258 -1.2667

{}

2017: VLBA only

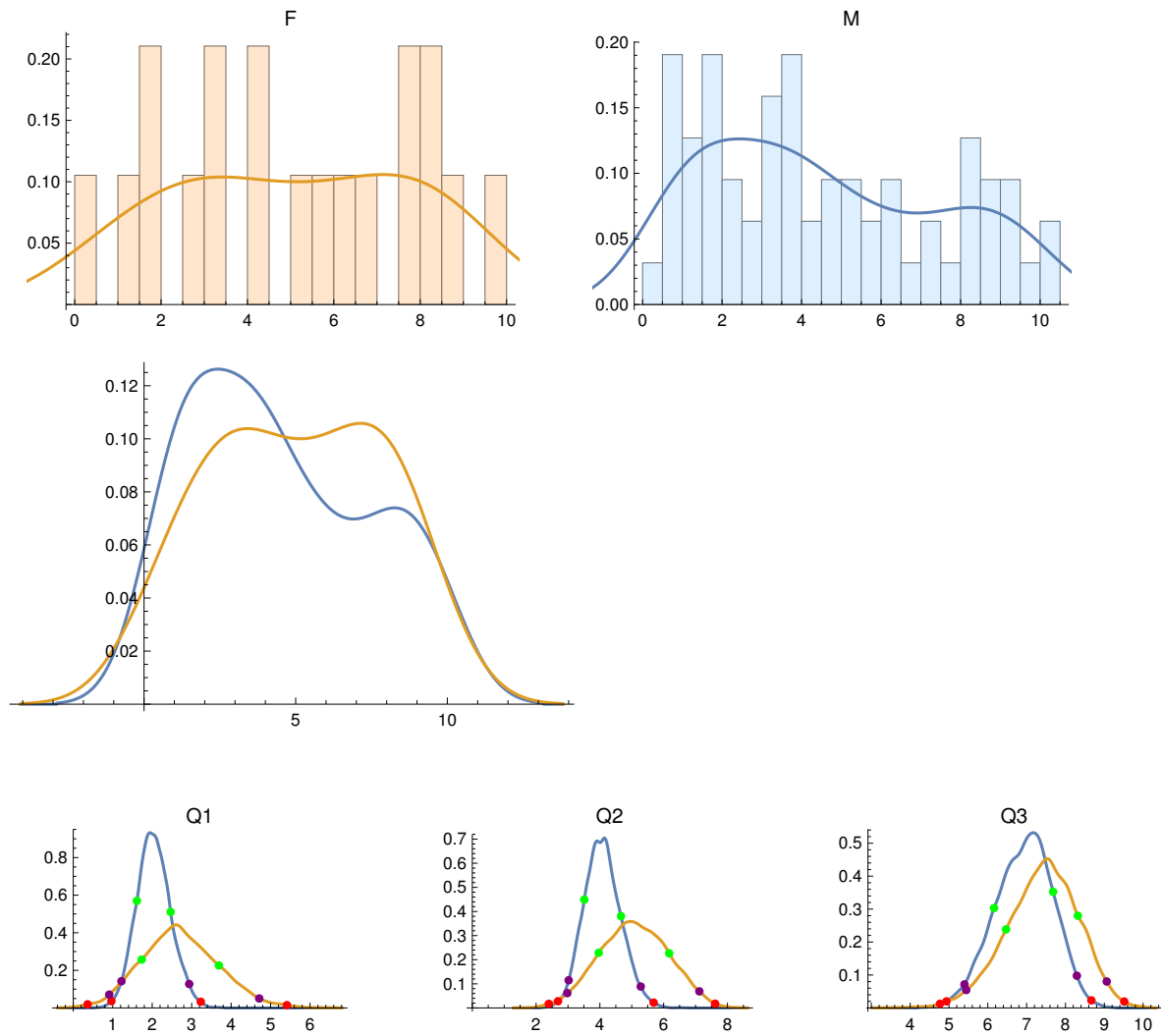
No. Female PIs = 19

No. Male PIs = 63

F PI Quartiles: {2.84, 5.25, 7.7925}

M PI Quartiles: {1.8575, 3.86, 7.0875}

Anderson-Darling two-sample test p-value: 0.629851



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.858	1.612 2.468	1.221 2.938	0.967 3.231
Quartile 2	3.86	3.513 4.662	3.021 5.282	2.688 5.686
Quartile 3	7.087	6.16 7.681	5.397 8.293	4.933 8.666

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.84	1.734 3.691	0.911 4.713	0.363 5.413
Quartile 2	5.25	3.964 6.174	2.98 7.12	2.398 7.614
Quartile 3	7.792	6.469 8.319	5.443 9.063	4.767 9.513

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.9825	1.0711 -1.0471
Quartile 2	1.39	1.236 -1.224
Quartile 3	0.705	1.1855 -1.1814

{}

2018: VLBA only

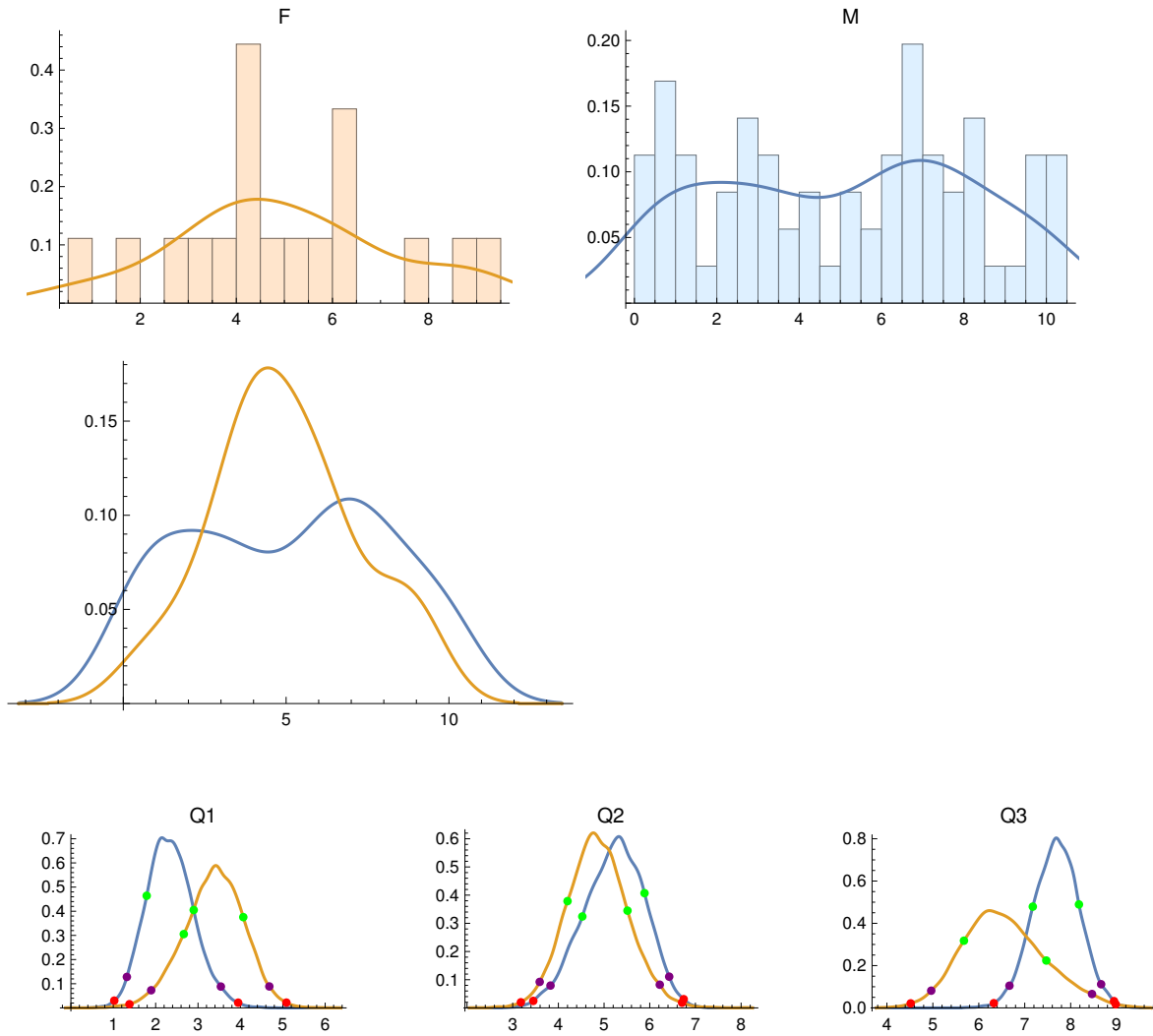
No. Female PIs = 18

No. Male PIs = 71

F PI Quartiles: {3.58, 4.55, 6.27}

M PI Quartiles: {2.48, 5.33, 7.6175}

Anderson-Darling two-sample test p-value: 0.238822



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.48	1.789 2.898	1.321 3.539	1.024 3.947
Quartile 2	5.33	4.524 5.886	3.828 6.426	3.451 6.744
Quartile 3	7.618	7.176 8.18	6.667 8.663	6.327 8.944

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.58	2.664 4.068	1.895 4.683	1.382 5.086
Quartile 2	4.55	4.2 5.513	3.591 6.22	3.179 6.708
Quartile 3	6.27	5.677 7.469	4.965 8.464	4.518 8.98

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.1	0.897 -0.8903
Quartile 2	-0.78	0.9563 -0.9404
Quartile 3	-1.3475	1.0271 -1.0243

{}

2019: VLBA only

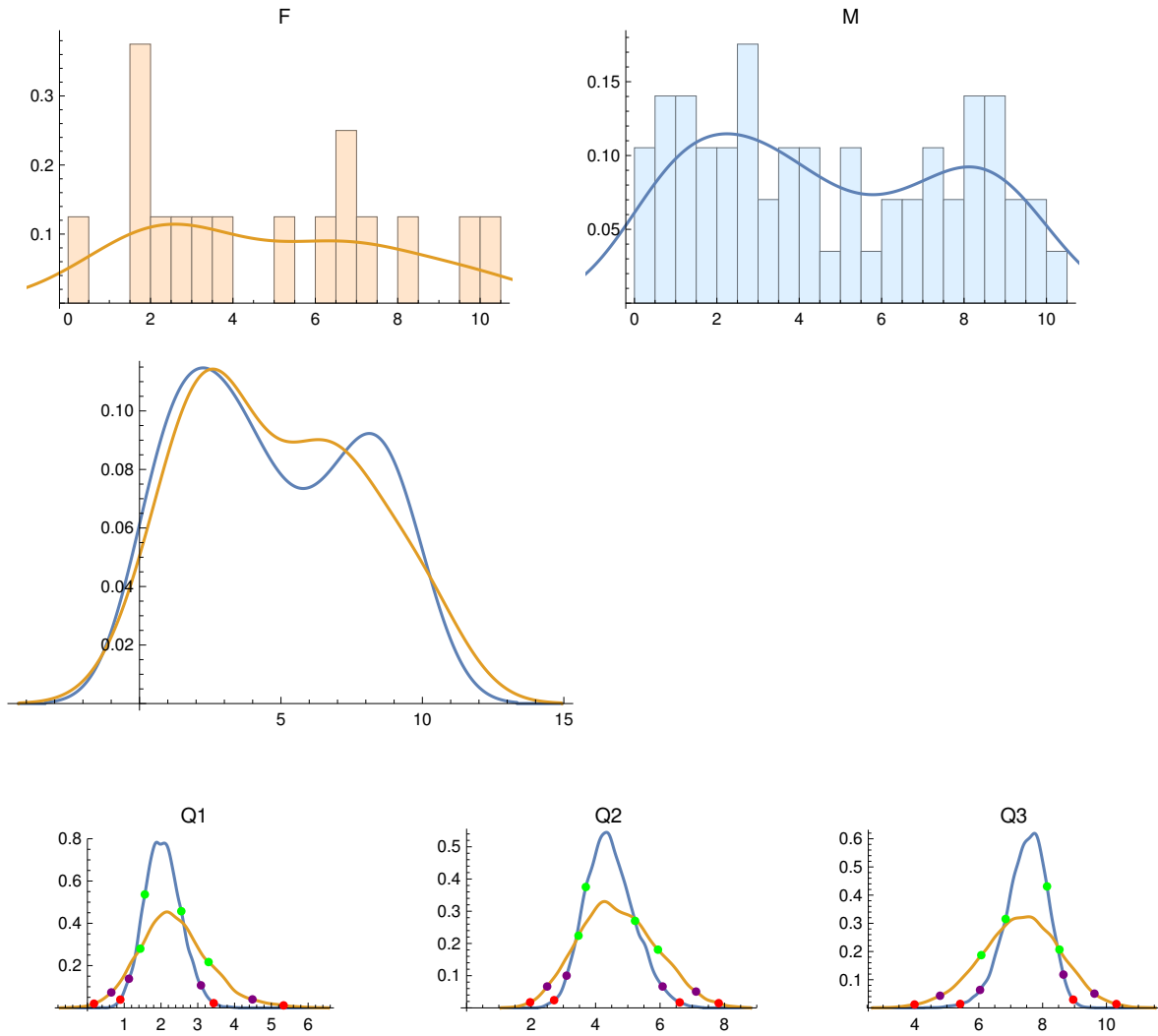
No. Female PIs = 16

No. Male PIs = 57

F PI Quartiles: {2.16, 4.355, 6.985}

M PI Quartiles: {2.06, 4.19, 7.79}

Anderson-Darling two-sample test p-value: 0.898179



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.06	1.561 2.552	1.128 3.086	0.895 3.433
Quartile 2	4.19	3.698 5.224	3.101 6.079	2.714 6.609
Quartile 3	7.79	6.841 8.137	6.039 8.652	5.416 8.958

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.16	1.437 3.293	0.649 4.486	0.179 5.333
Quartile 2	4.355	3.47 5.936	2.498 7.117	1.97 7.82
Quartile 3	6.985	6.078 8.527	4.785 9.623	3.986 10.311

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1	1.0506 -1.0556
Quartile 2	0.165	1.4482 -1.4264
Quartile 3	-0.805	1.403 -1.3845

{}

2020: VLBA only

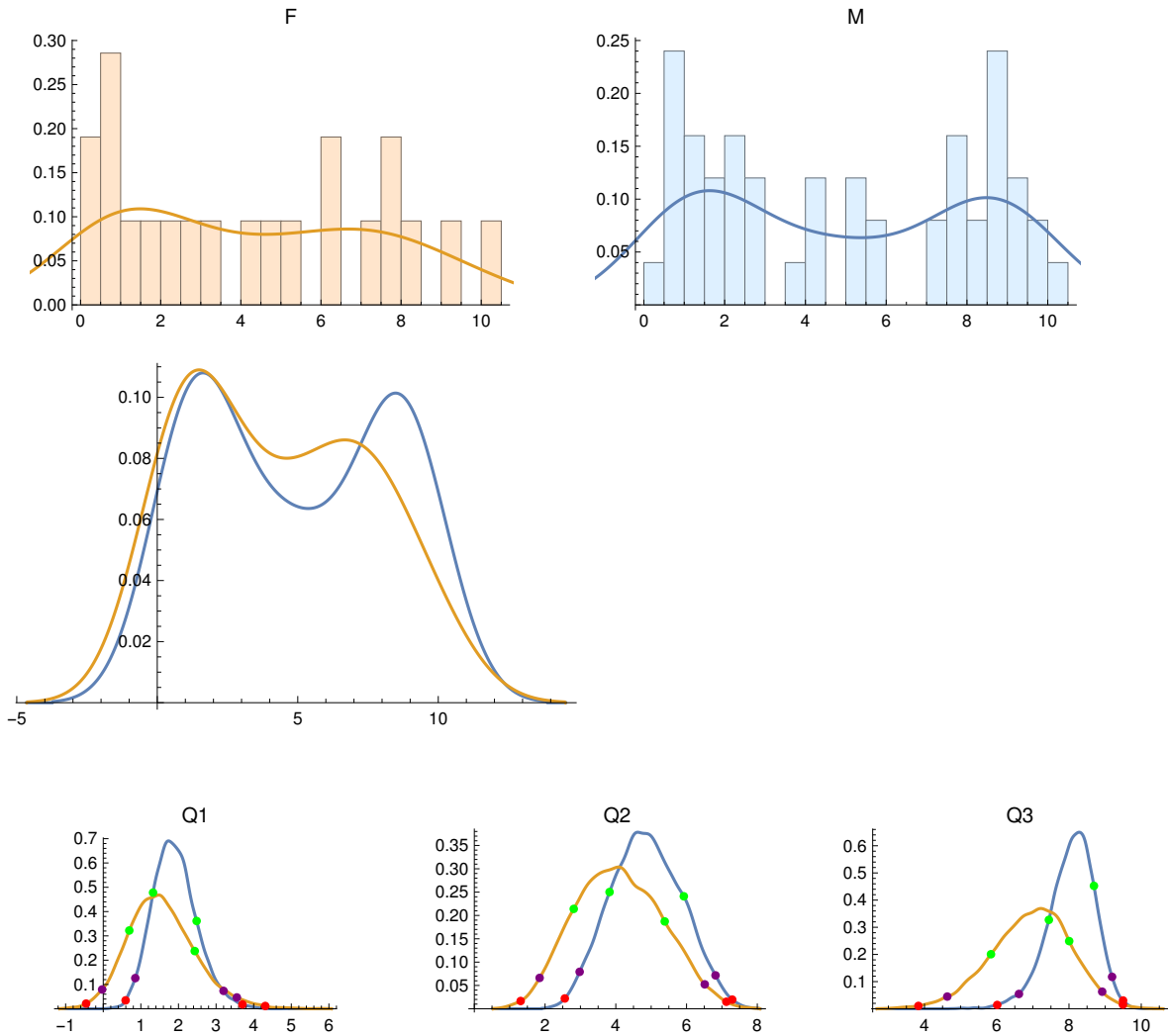
No. Female PIs = 21

No. Male PIs = 50

F PI Quartiles: {1.1225, 4.49, 7.3275}

M PI Quartiles: {1.82, 4.8, 8.37}

Anderson-Darling two-sample test p-value: 0.52206



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.82	1.324 2.483	0.852 3.199	0.595 3.701
Quartile 2	4.8	3.824 5.923	2.978 6.819	2.559 7.292
Quartile 3	8.37	7.443 8.691	6.614 9.193	6.013 9.497

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.122	0.693 2.432	-0.03 3.552	-0.455 4.308
Quartile 2	4.49	2.811 5.383	1.846 6.514	1.31 7.125
Quartile 3	7.327	5.84 8.005	4.631 8.918	3.832 9.494

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.6975	1.0471 -1.0521
Quartile 2	-0.31	1.6047 -1.5977
Quartile 3	-1.0425	1.2325 -1.2435

{}

2021A: VLBA only

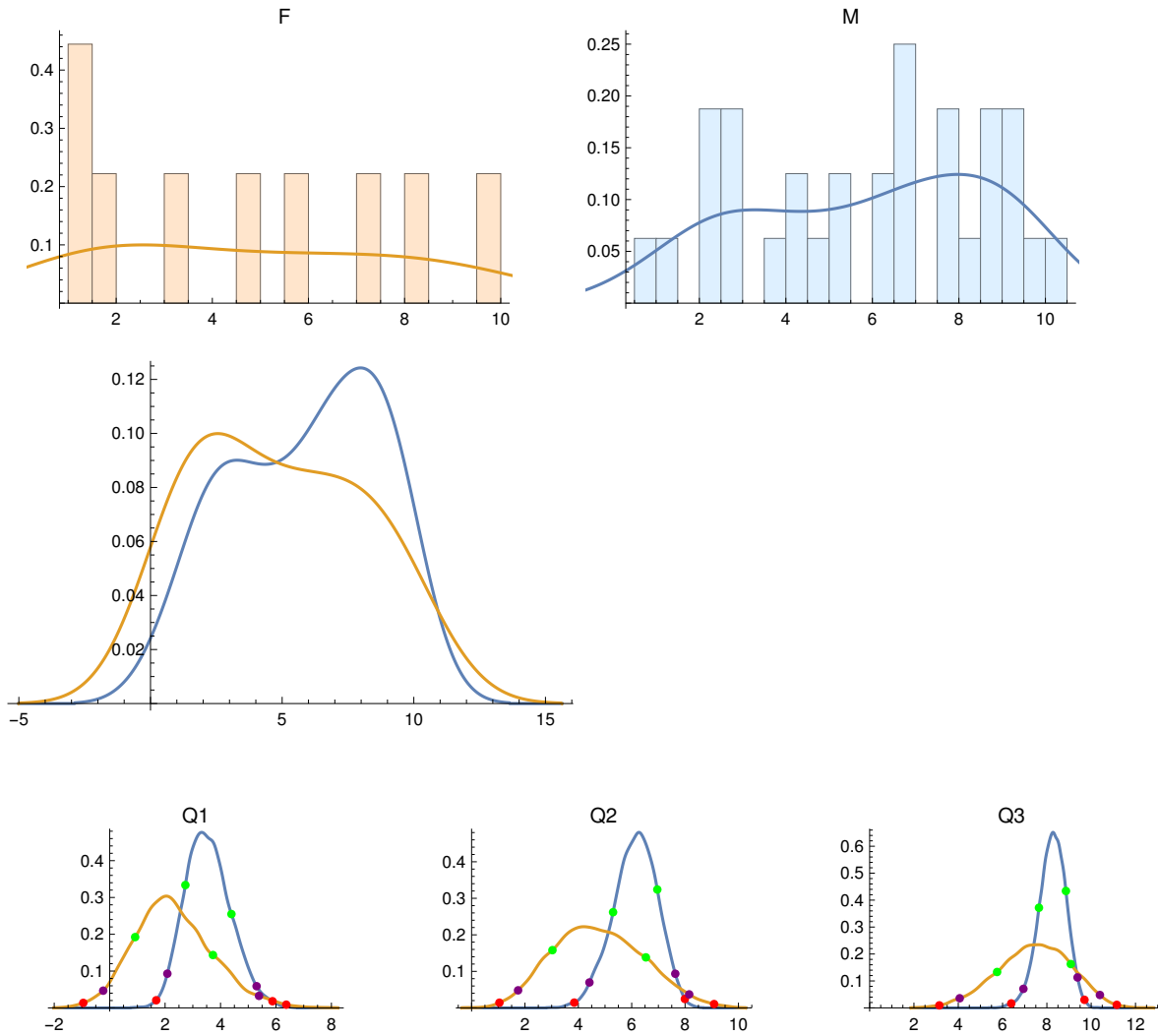
No. Female PIs = 9

No. Male PIs = 32

F PI Quartiles: {1.795, 4.78, 7.6325}

M PI Quartiles: {3.29, 6.46, 8.46}

Anderson-Darling two-sample test p-value: 0.478747



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.29	2.732 4.393	2.082 5.301	1.68 5.875
Quartile 2	6.46	5.302 6.96	4.416 7.633	3.847 7.992
Quartile 3	8.46	7.642 8.86	6.94 9.384	6.392 9.696

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.795	0.92 3.727	-0.232 5.388	-0.951 6.371
Quartile 2	4.78	3.03 6.531	1.742 8.154	1.043 9.088
Quartile 3	7.632	5.754 9.08	4.066 10.394	3.146 11.156

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-1.495	1.6314 -1.6248
Quartile 2	-1.68	1.935 -1.9143
Quartile 3	-0.8275	1.7429 -1.7988

{}

All Years, 2012-2021A: VLBA only

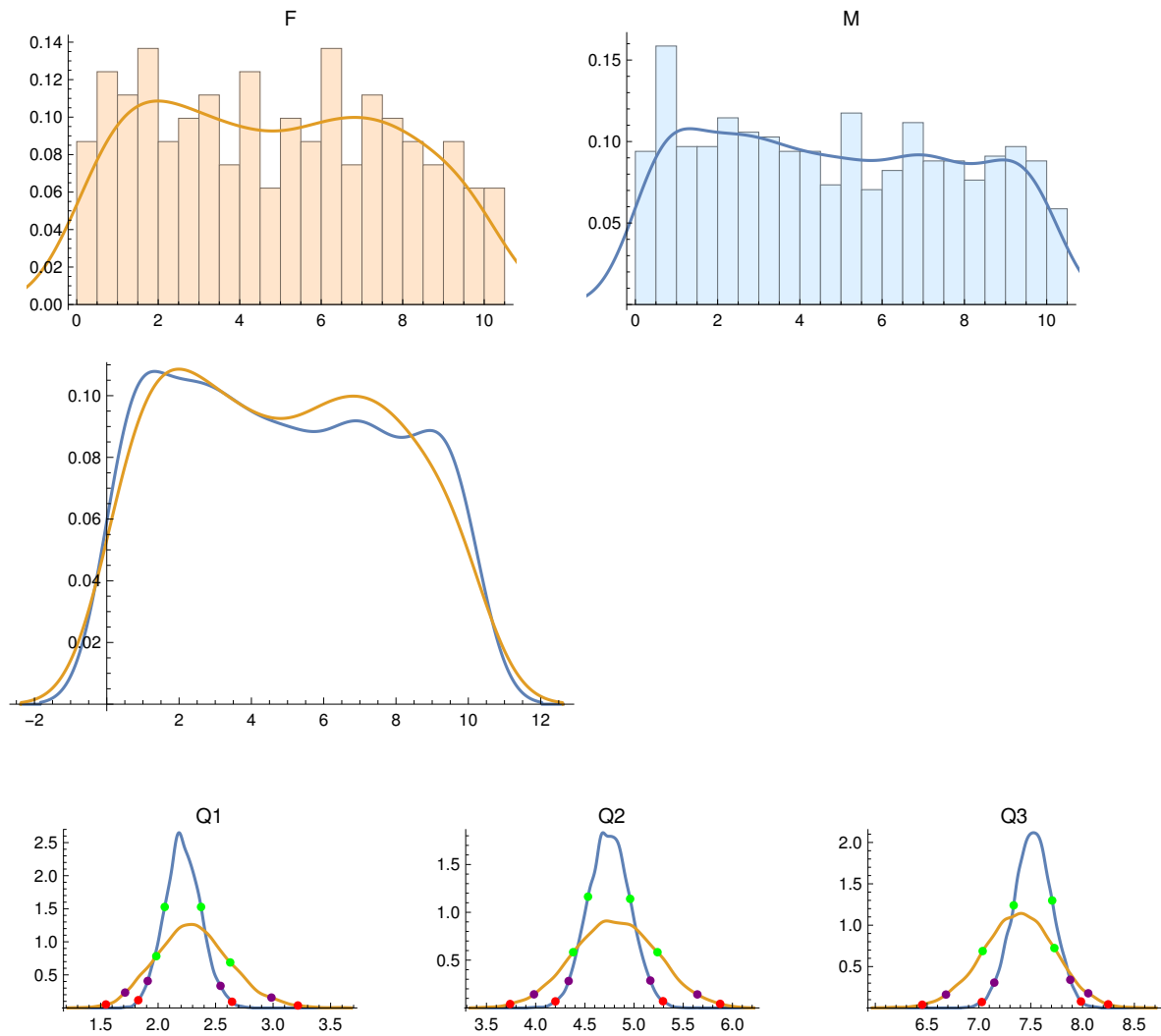
No. Female PIs = 161

No. Male PIs = 681

F PI Quartiles: {2.2125, 4.78, 7.445}

M PI Quartiles: {2.215, 4.76, 7.4625}

Anderson-Darling two-sample test p-value: 0.977564



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.215	2.058 2.373	1.91 2.543	1.828 2.643
Quartile 2	4.76	4.532 4.96	4.335 5.166	4.201 5.294
Quartile 3	7.462	7.335 7.707	7.148 7.881	7.028 7.985

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.213	1.984 2.627	1.713 2.986	1.546 3.216
Quartile 2	4.78	4.381 5.238	3.983 5.644	3.74 5.875
Quartile 3	7.445	7.036 7.728	6.682 8.055	6.453 8.247

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.0025	0.3581 -0.3606
Quartile 2	0.02	0.4773 -0.4783
Quartile 3	-0.0175	0.391 -0.3885

{}

Cycle 12A: GBT, VLA, and VLBA

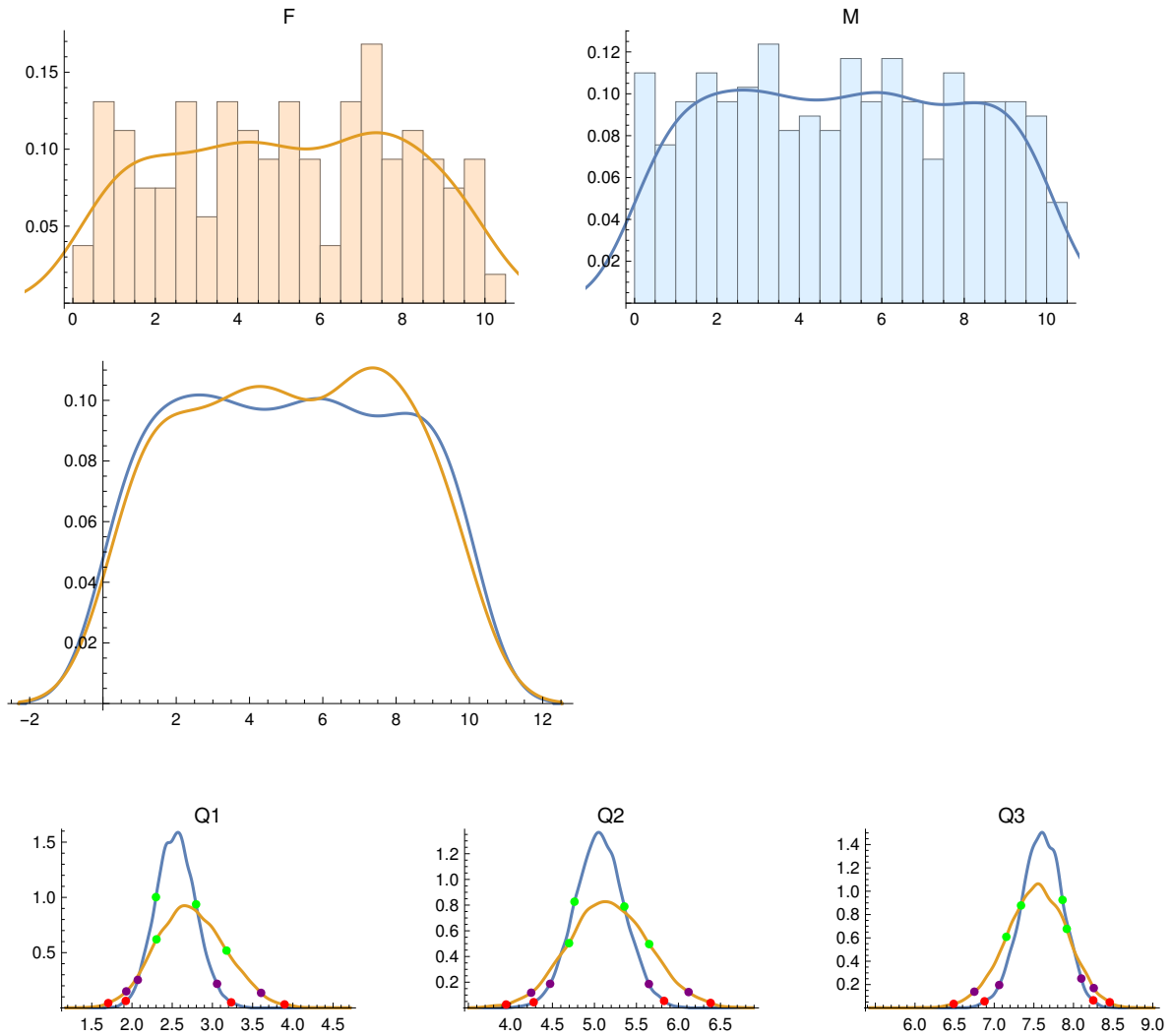
No. Female PIs = 107

No. Male PIs = 291

F PI Quartiles: {2.7025, 5.22, 7.45}

M PI Quartiles: {2.52, 5.08, 7.65}

Anderson-Darling two-sample test p-value: 0.856112



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.52	2.298 2.797	2.072 3.058	1.923 3.233
Quartile 2	5.08	4.763 5.356	4.473 5.648	4.277 5.829
Quartile 3	7.65	7.338 7.862	7.062 8.099	6.877 8.249

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.702	2.305 3.176	1.929 3.605	1.705 3.897
Quartile 2	5.22	4.698 5.651	4.247 6.12	3.949 6.382
Quartile 3	7.45	7.153 7.915	6.749 8.255	6.488 8.457

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1825	0.5102 -0.5008
Quartile 2	0.14	0.5609 -0.5567
Quartile 3	-0.2	0.4599 -0.4553

{ }

Cycle 12B: GBT, VLA, and VLBA

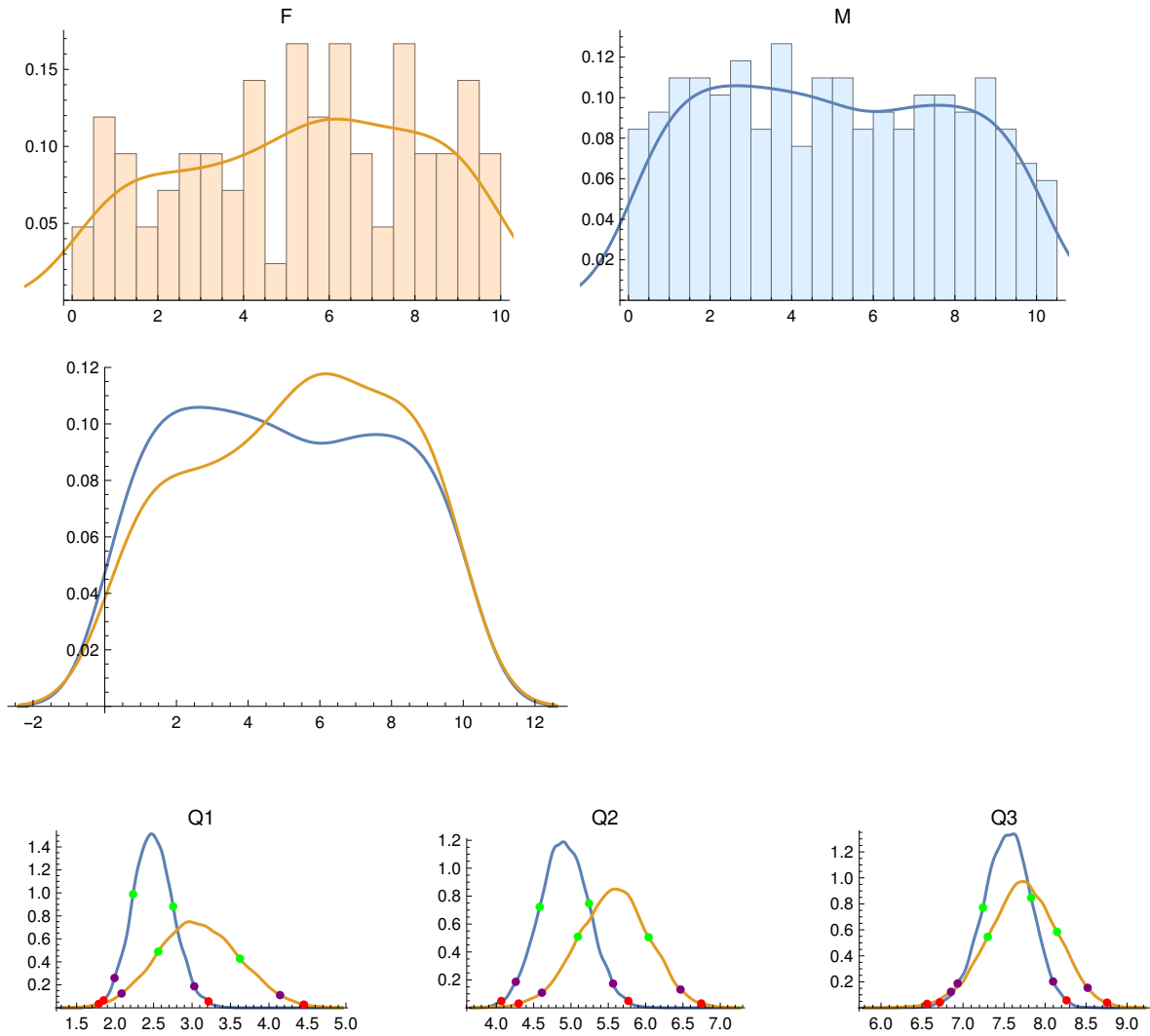
No. Female PIs = 84

No. Male PIs = 237

F PI Quartiles: {3.195, 5.725, 7.755}

M PI Quartiles: {2.49, 4.85, 7.5}

Anderson-Darling two-sample test p-value: 0.397166



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.49	2.233 2.755	1.992 3.028	1.85 3.214
Quartile 2	4.85	4.581 5.242	4.26 5.564	4.067 5.769
Quartile 3	7.5	7.242 7.829	6.934 8.098	6.717 8.262

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.195	2.559 3.623	2.083 4.144	1.787 4.453
Quartile 2	5.725	5.093 6.04	4.611 6.468	4.299 6.745
Quartile 3	7.755	7.301 8.145	6.853 8.519	6.561 8.755

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.705	0.5964 -0.5876
Quartile 2	0.875	0.5754 -0.5769
Quartile 3	0.255	0.5222 -0.511

{}

Cycle 13A: GBT, VLA, and VLBA

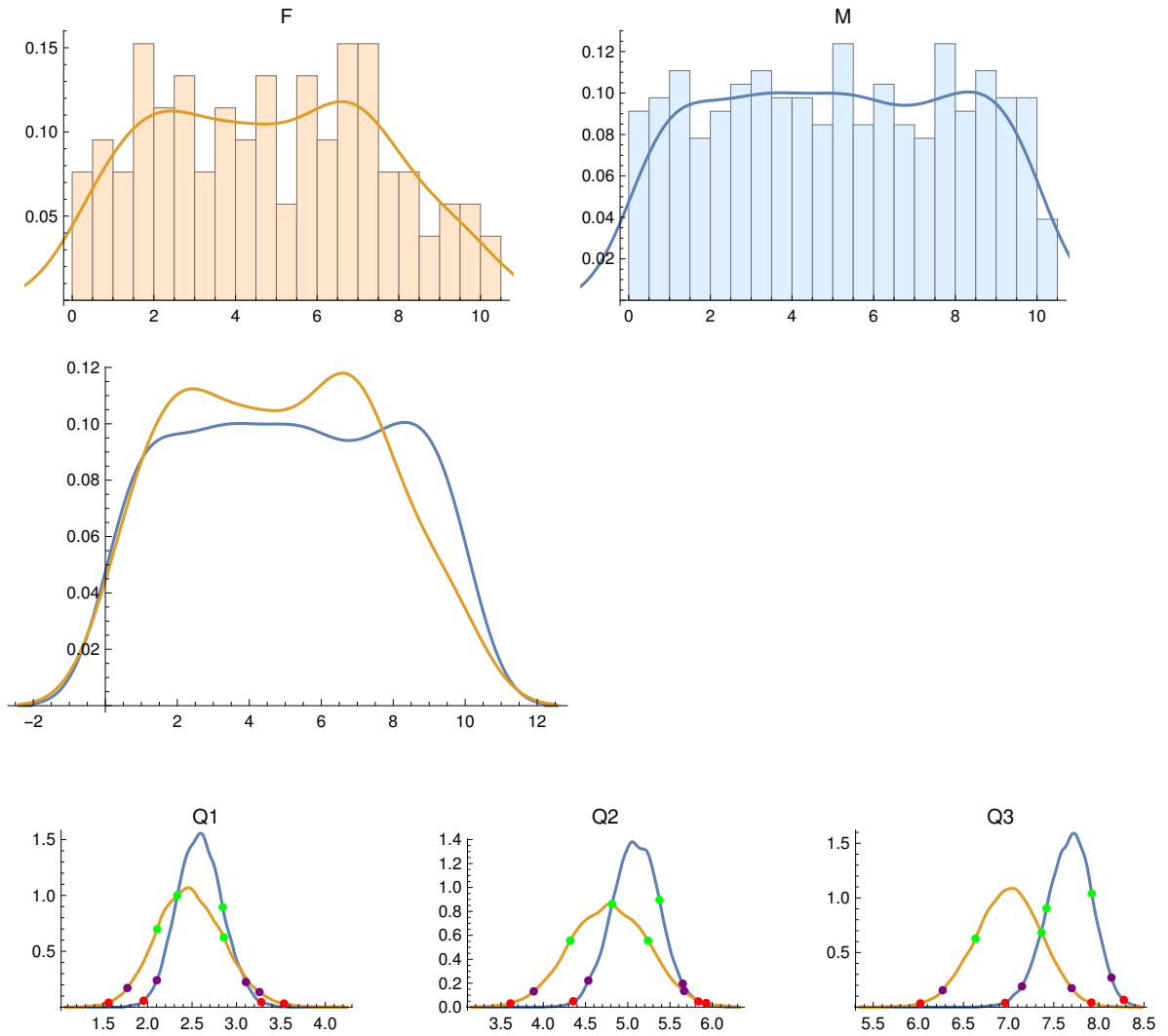
No. Female PIs = 105

No. Male PIs = 307

F PI Quartiles: {2.3375, 4.69, 6.985}

M PI Quartiles: {2.5525, 5.12, 7.7325}

Anderson-Darling two-sample test p-value: 0.344464



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.552	2.334 2.845	2.103 3.107	1.954 3.279
Quartile 2	5.12	4.814 5.375	4.533 5.651	4.355 5.834
Quartile 3	7.732	7.42 7.921	7.148 8.14	6.961 8.276

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.338	2.107 2.857	1.771 3.259	1.56 3.537
Quartile 2	4.69	4.319 5.241	3.888 5.666	3.612 5.928
Quartile 3	6.985	6.633 7.365	6.269 7.698	6.022 7.917

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.215	0.457 -0.451
Quartile 2	-0.43	0.5456 -0.5458
Quartile 3	-0.7475	0.4429 -0.4453

{}

Cycle 13B: GBT, VLA, and VLBA

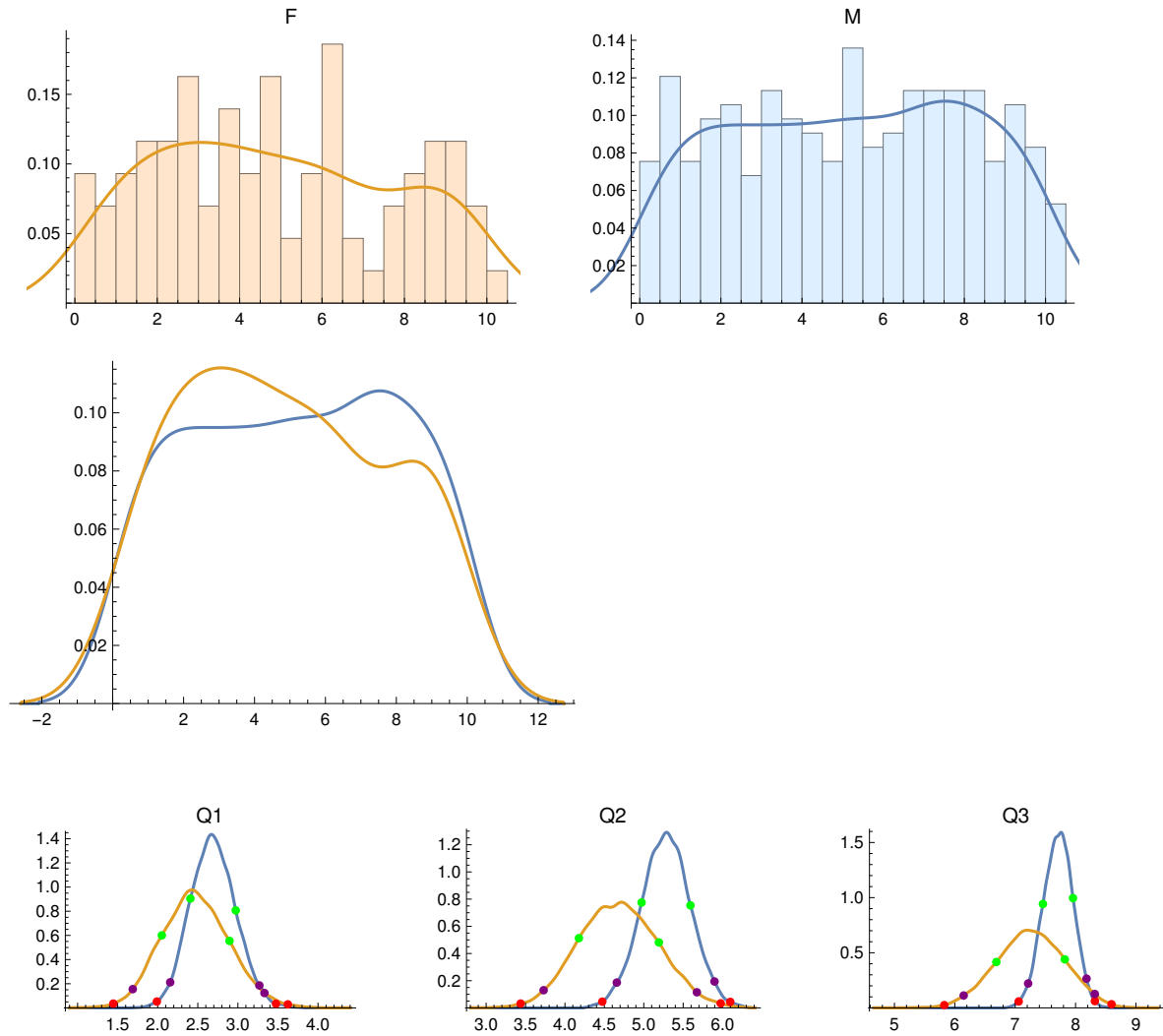
No. Female PIs = 86

No. Male PIs = 265

F PI Quartiles: {2.56, 4.65, 7.17}

M PI Quartiles: {2.635, 5.29, 7.75}

Anderson-Darling two-sample test p-value: 0.559528



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.635	2.407 2.973	2.156 3.268	1.989 3.476
Quartile 2	5.29	4.972 5.592	4.658 5.897	4.474 6.097
Quartile 3	7.75	7.459 7.958	7.215 8.182	7.058 8.32

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.56	2.051 2.896	1.688 3.332	1.446 3.624
Quartile 2	4.65	4.177 5.192	3.729 5.673	3.437 5.976
Quartile 3	7.17	6.688 7.821	6.147 8.318	5.825 8.596

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.075	0.5065 -0.5012
Quartile 2	-0.64	0.5849 -0.5871
Quartile 3	-0.58	0.6191 -0.6173

{}

Cycle 14A: GBT, VLA, and VLBA

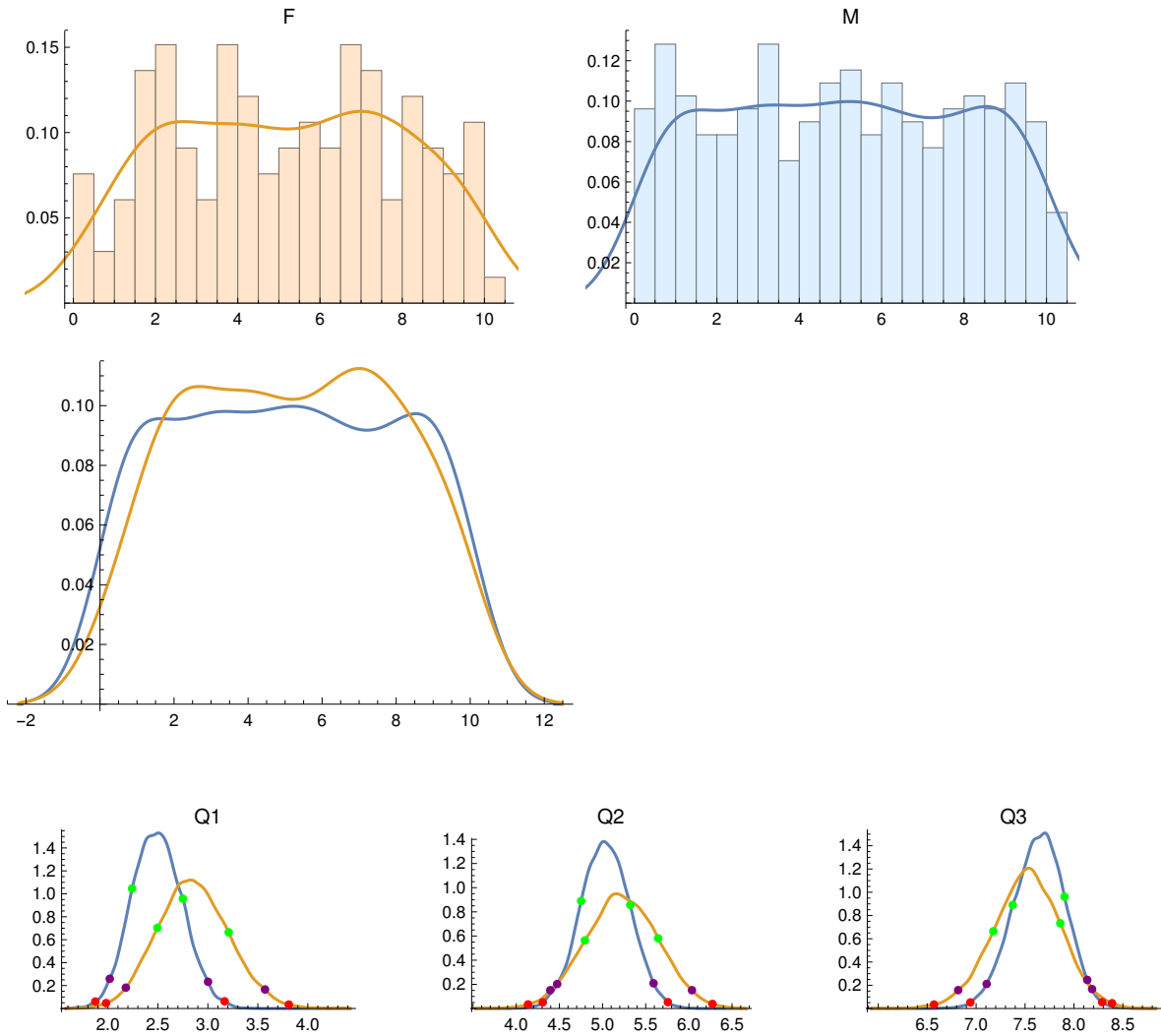
No. Female PIs = 132

No. Male PIs = 312

F PI Quartiles: {2.66, 5.245, 7.38}

M PI Quartiles: {2.575, 5.04, 7.66}

Anderson-Darling two-sample test p-value: 0.505682



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.575	2.242 2.75	2.018 3.002	1.873 3.168
Quartile 2	5.04	4.752 5.321	4.475 5.591	4.307 5.757
Quartile 3	7.66	7.374 7.904	7.108 8.136	6.941 8.288

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.66	2.495 3.208	2.179 3.572	1.981 3.81
Quartile 2	5.245	4.795 5.644	4.394 6.036	4.137 6.273
Quartile 3	7.38	7.176 7.86	6.817 8.185	6.57 8.39

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.085	0.4318 -0.4406
Quartile 2	0.205	0.5035 -0.506
Quartile 3	-0.28	0.426 -0.4315

{ }

Cycle 14B: GBT, VLA, and VLBA

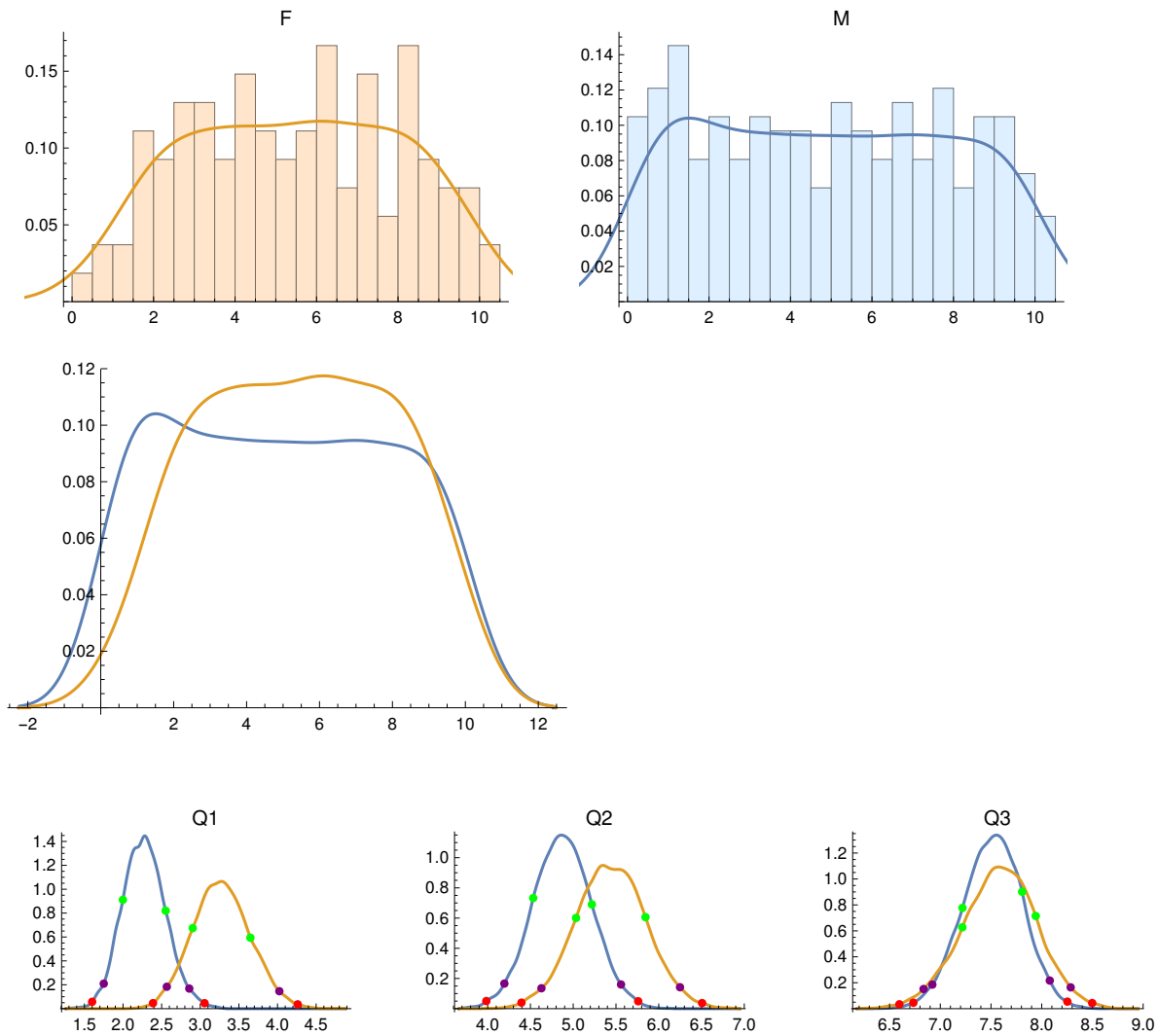
No. Female PIs = 108

No. Male PIs = 248

F PI Quartiles: {3.24, 5.495, 7.52}

M PI Quartiles: {2.22, 4.93, 7.56}

Anderson-Darling two-sample test p-value: 0.0490073



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.22	1.998 2.552	1.75 2.858	1.6 3.056
Quartile 2	4.93	4.532 5.218	4.195 5.559	3.984 5.76
Quartile 3	7.56	7.219 7.807	6.922 8.08	6.735 8.253

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.24	2.902 3.649	2.567 4.024	2.388 4.262
Quartile 2	5.495	5.033 5.845	4.628 6.249	4.395 6.507
Quartile 3	7.52	7.218 7.941	6.835 8.286	6.597 8.498

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.02	0.4675 -0.4588
Quartile 2	0.565	0.5269 -0.5323
Quartile 3	-0.04	0.466 -0.468

{}

Cycle 15A: GBT, VLA, and VLBA

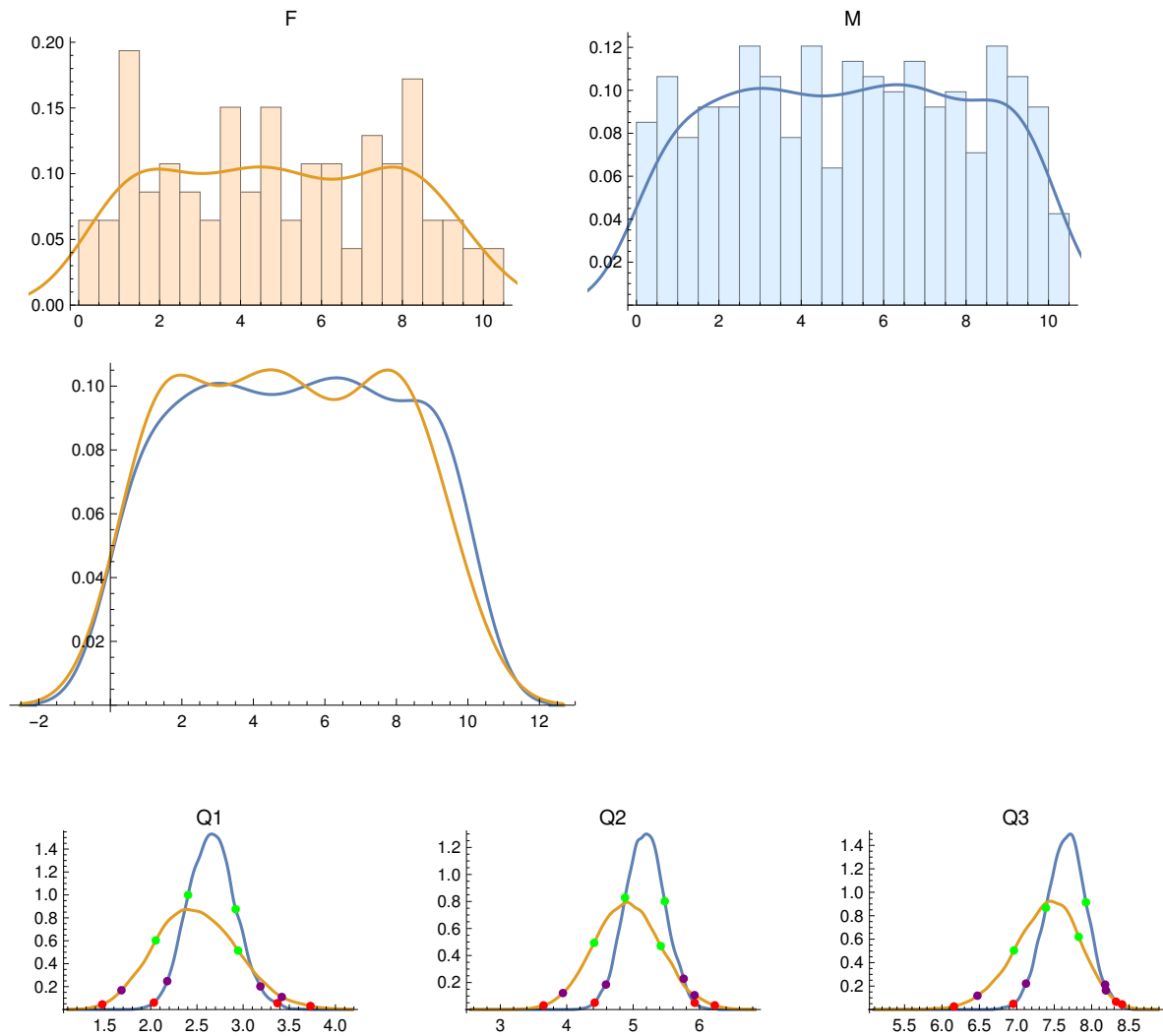
No. Female PIs = 93

No. Male PIs = 282

F PI Quartiles: {2.425, 4.78, 7.5275}

M PI Quartiles: {2.69, 5.225, 7.62}

Anderson-Darling two-sample test p-value: 0.731496



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.69	2.404 2.919	2.178 3.187	2.033 3.372
Quartile 2	5.225	4.878 5.476	4.59 5.76	4.421 5.927
Quartile 3	7.62	7.388 7.923	7.123 8.18	6.952 8.325

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.425	2.054 2.946	1.682 3.419	1.474 3.73
Quartile 2	4.78	4.412 5.415	3.943 5.923	3.65 6.228
Quartile 3	7.528	6.962 7.827	6.474 8.19	6.16 8.406

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.265	0.5156 -0.5105
Quartile 2	-0.445	0.5781 -0.5874
Quartile 3	-0.0925	0.5052 -0.5054

{}

Cycle 15B: GBT, VLA, and VLBA

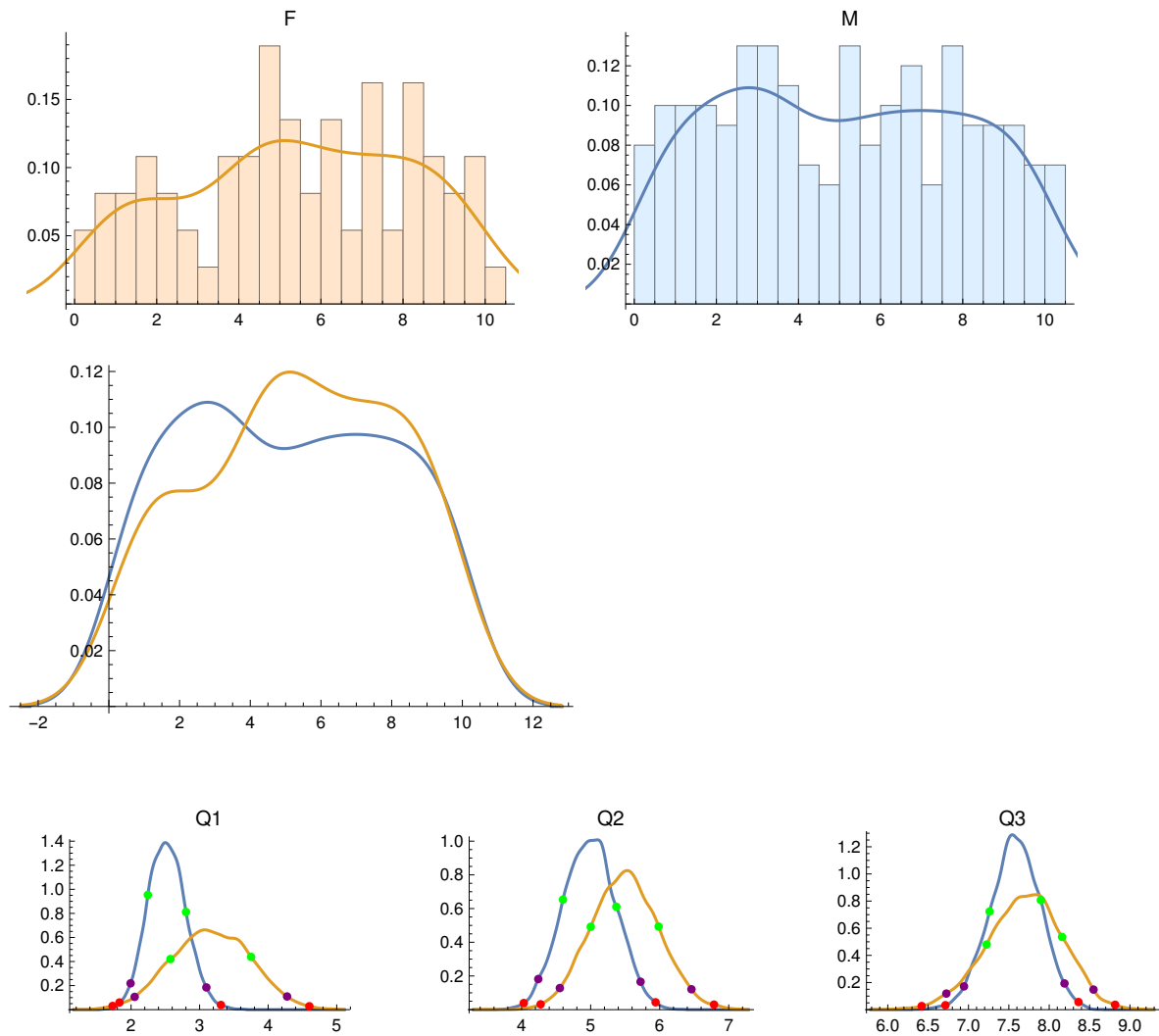
No. Female PIs = 74

No. Male PIs = 200

F PI Quartiles: {3.54, 5.4, 7.86}

M PI Quartiles: {2.5, 5.075, 7.595}

Anderson-Darling two-sample test p-value: 0.539663



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.245 2.802	1.993 3.098	1.831 3.311
Quartile 2	5.075	4.598 5.372	4.241 5.723	4.031 5.941
Quartile 3	7.595	7.261 7.896	6.944 8.189	6.714 8.363

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.54	2.574 3.751	2.052 4.276	1.73 4.601
Quartile 2	5.4	5.001 5.985	4.554 6.46	4.275 6.787
Quartile 3	7.86	7.225 8.159	6.725 8.549	6.42 8.816

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.04	0.6504 -0.6452
Quartile 2	0.325	0.6206 -0.6129
Quartile 3	0.265	0.552 -0.5535

{ }

Cycle 16A: GBT, VLA, and VLBA

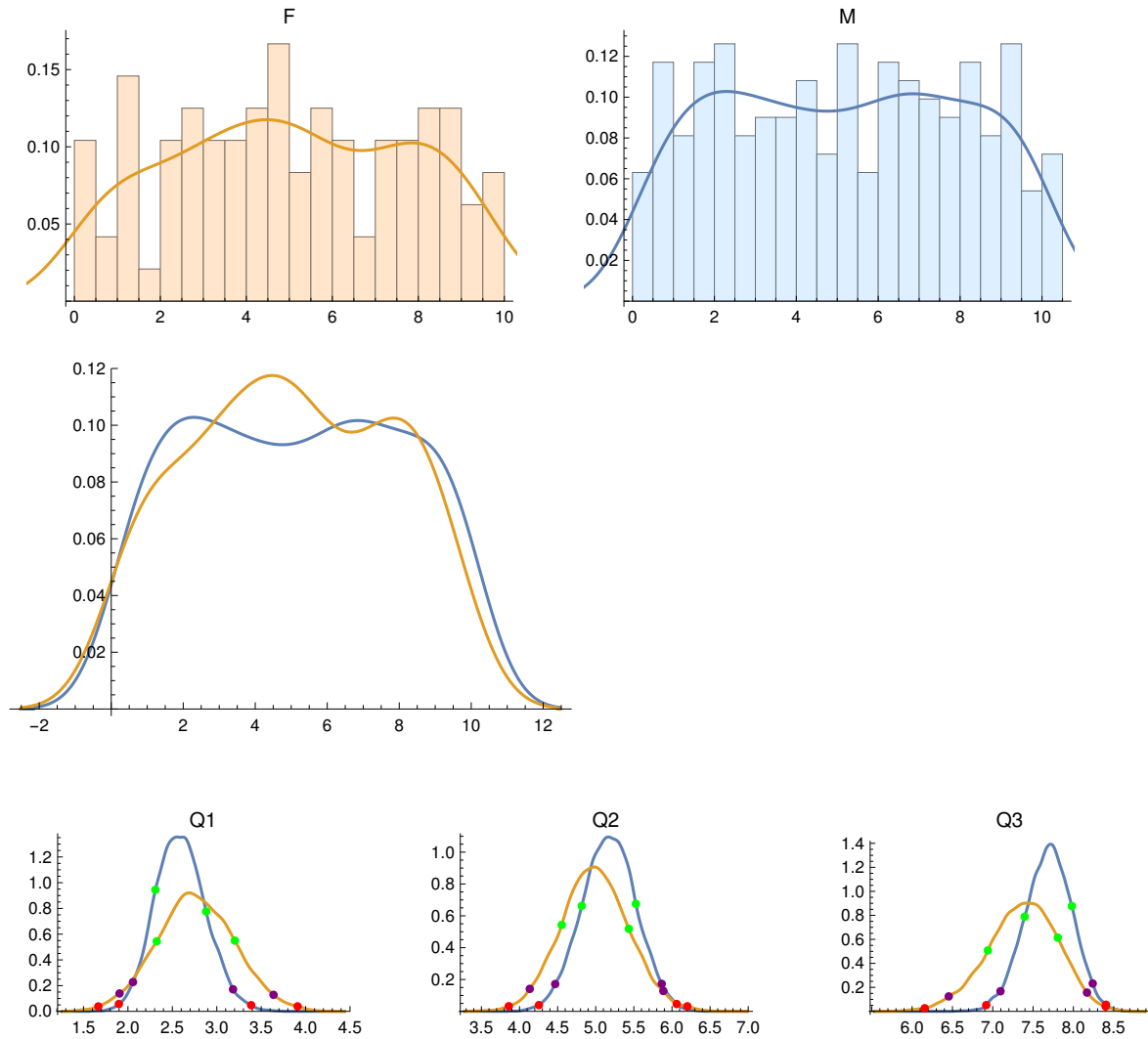
No. Female PIs = 96

No. Male PIs = 222

F PI Quartiles: {2.93, 4.9, 7.495}

M PI Quartiles: {2.46, 5.17, 7.67}

Anderson-Darling two-sample test p-value: 0.652991



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.46	2.309 2.88	2.057 3.183	1.898 3.387
Quartile 2	5.17	4.816 5.526	4.468 5.865	4.254 6.062
Quartile 3	7.67	7.396 7.981	7.096 8.24	6.919 8.404

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.93	2.324 3.204	1.905 3.639	1.667 3.91
Quartile 2	4.9	4.553 5.434	4.135 5.887	3.86 6.202
Quartile 3	7.495	6.939 7.806	6.455 8.169	6.157 8.4

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.47	0.5264 -0.5294
Quartile 2	-0.27	0.5523 -0.5649
Quartile 3	-0.175	0.5223 -0.5296

{}

Cycle 16B: GBT, VLA, and VLBA

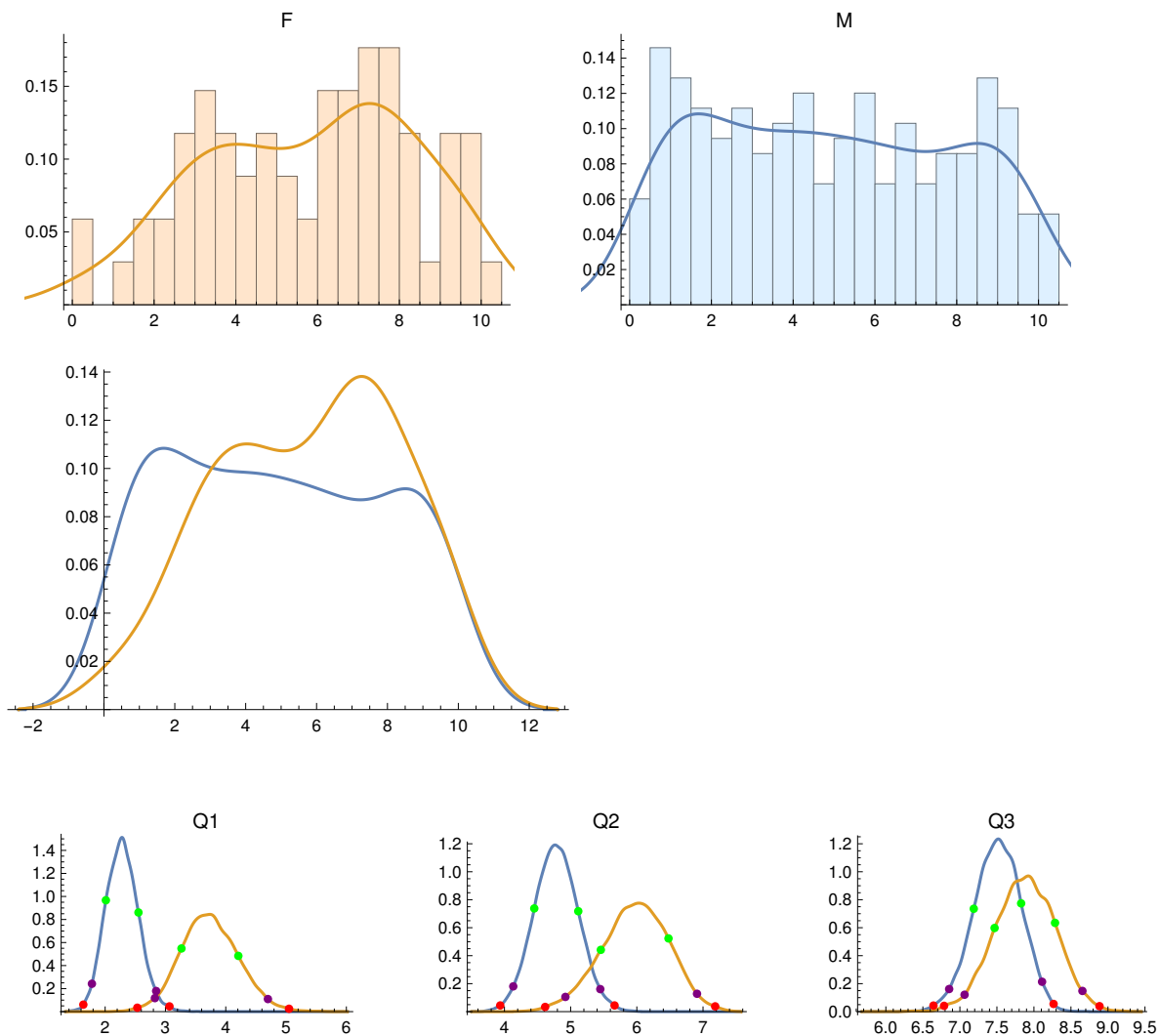
No. Female PIs = 68

No. Male PIs = 233

F PI Quartiles: {3.69, 6.16, 7.69}

M PI Quartiles: {2.2075, 4.74, 7.5225}

Anderson-Darling two-sample test p-value: 0.0187326



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.208	2.012 2.553	1.781 2.846	1.638 3.067
Quartile 2	4.74	4.451 5.115	4.133 5.448	3.936 5.664
Quartile 3	7.522	7.187 7.827	6.855 8.11	6.643 8.266

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.69	3.266 4.209	2.825 4.699	2.533 5.049
Quartile 2	6.16	5.456 6.478	4.921 6.909	4.615 7.184
Quartile 3	7.69	7.469 8.285	7.063 8.655	6.787 8.886

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.4825	0.5506 -0.5386
Quartile 2	1.42	0.6057 -0.6089
Quartile 3	0.1675	0.5162 -0.5148

{ }

Cycle 17A: GBT, VLA, and VLBA

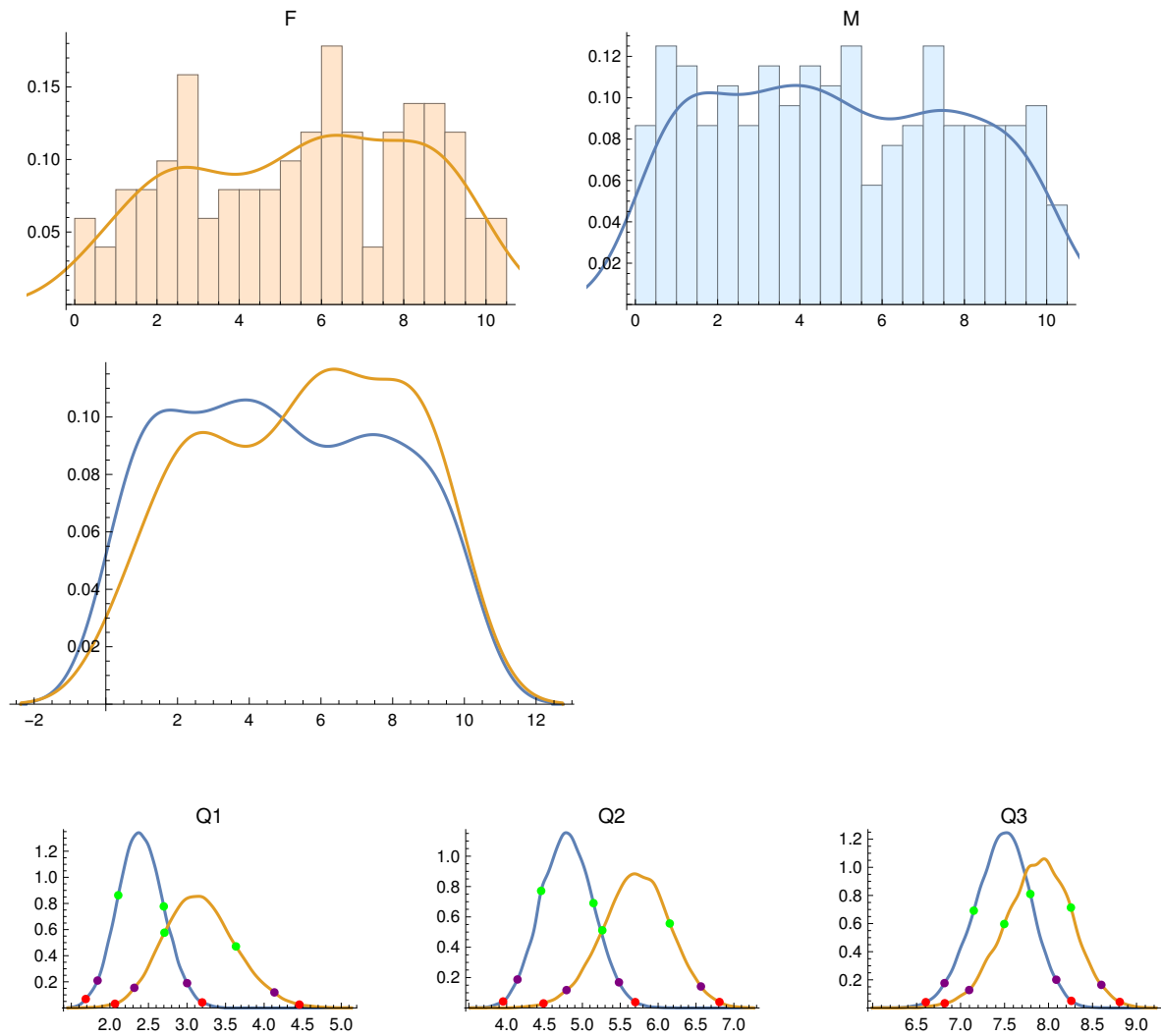
No. Female PIs = 101

No. Male PIs = 208

F PI Quartiles: {2.905, 5.82, 8.}

M PI Quartiles: {2.335, 4.755, 7.44}

Anderson-Darling two-sample test p-value: 0.123437



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.335	2.109 2.699	1.84 3.001	1.687 3.197
Quartile 2	4.755	4.455 5.147	4.143 5.483	3.953 5.698
Quartile 3	7.44	7.15 7.793	6.817 8.088	6.604 8.259

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.905	2.707 3.634	2.317 4.133	2.066 4.457
Quartile 2	5.82	5.263 6.154	4.791 6.565	4.487 6.81
Quartile 3	8.	7.496 8.254	7.098 8.6	6.82 8.81

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.57	0.5506 -0.5483
Quartile 2	1.065	0.5657 -0.5663
Quartile 3	0.56	0.4993 -0.4982

{ }

Cycle 17B: GBT, VLA, and VLBA

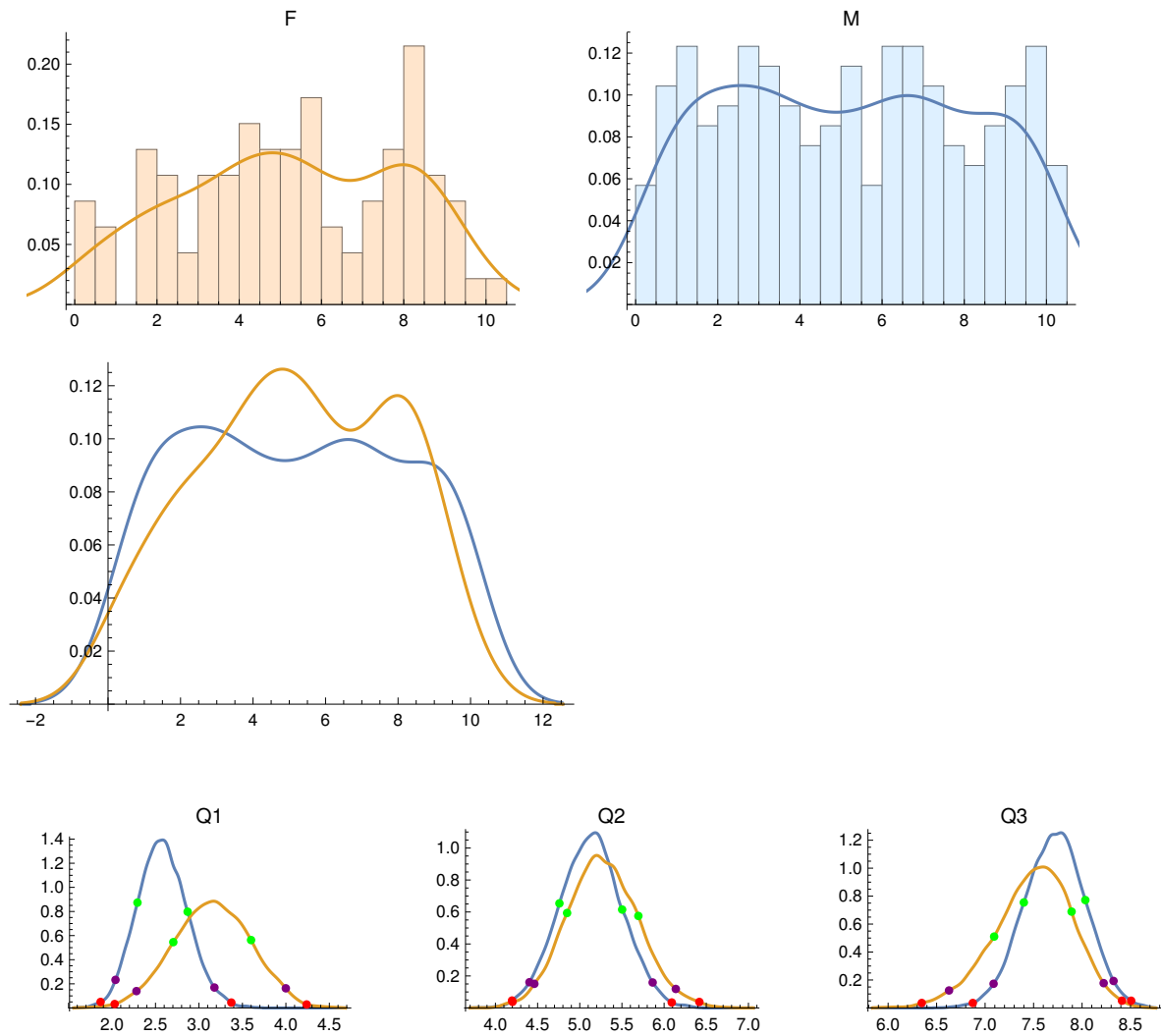
No. Female PIs = 93

No. Male PIs = 211

F PI Quartiles: {3.23, 5.37, 7.705}

M PI Quartiles: {2.5975, 5.07, 7.5975}

Anderson-Darling two-sample test p-value: 0.250589



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.598	2.293 2.87	2.04 3.178	1.868 3.372
Quartile 2	5.07	4.759 5.502	4.403 5.864	4.196 6.091
Quartile 3	7.598	7.4 8.034	7.087 8.325	6.873 8.506

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.23	2.705 3.599	2.281 3.999	2.03 4.239
Quartile 2	5.37	4.85 5.695	4.462 6.139	4.202 6.418
Quartile 3	7.705	7.093 7.892	6.628 8.223	6.347 8.412

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.6325	0.5268 -0.5245
Quartile 2	0.3	0.5606 -0.5534
Quartile 3	0.1075	0.5091 -0.5079

{ }

Cycle 18A: GBT, VLA, and VLBA

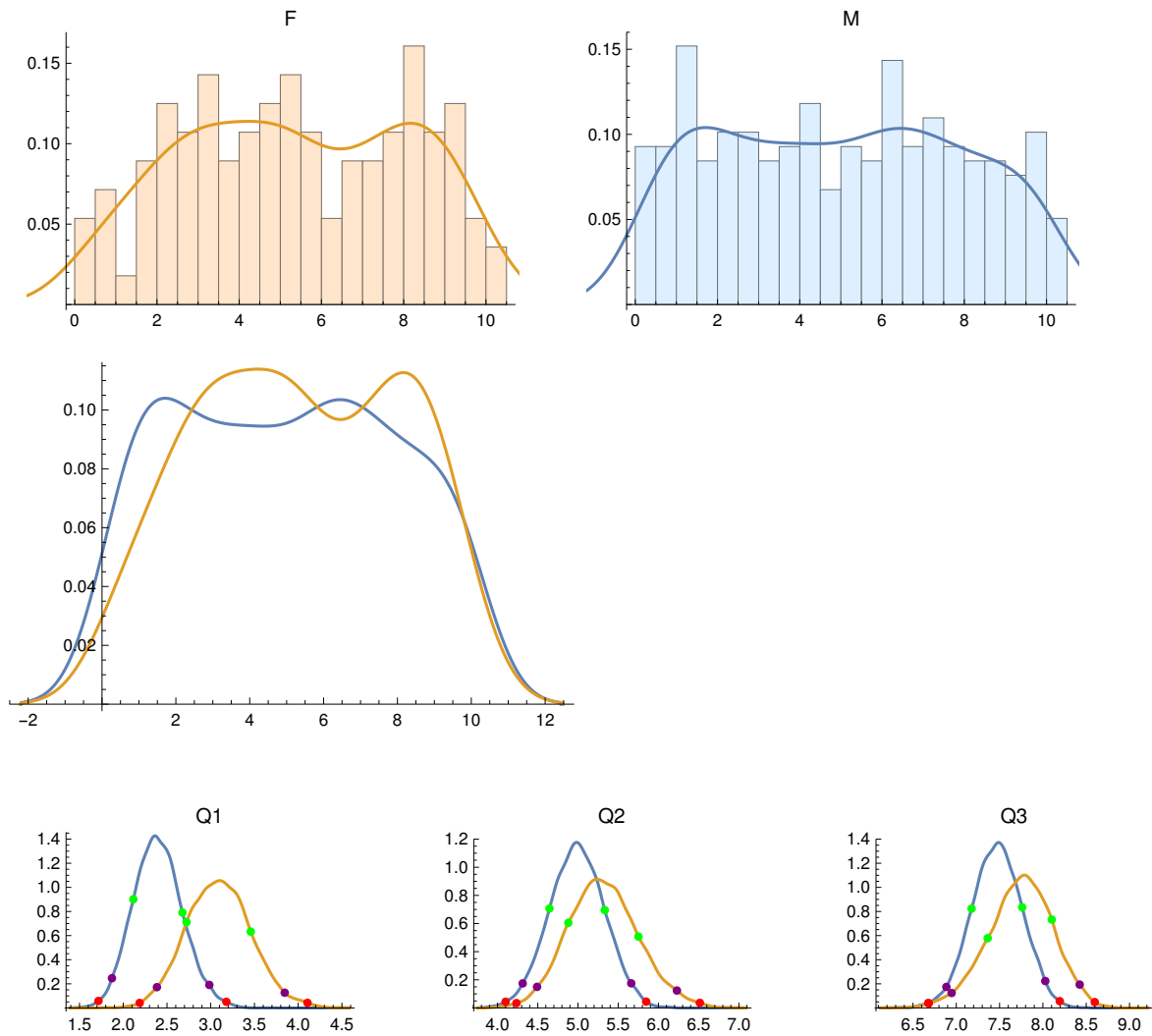
No. Female PIs = 112

No. Male PIs = 237

F PI Quartiles: {3.095, 5.235, 7.89}

M PI Quartiles: {2.4, 5., 7.4225}

Anderson-Darling two-sample test p-value: 0.221908



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.4	2.116 2.677	1.871 2.984	1.717 3.179
Quartile 2	5.	4.645 5.333	4.312 5.662	4.1 5.847
Quartile 3	7.422	7.177 7.761	6.886 8.028	6.677 8.195

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.095	2.723 3.457	2.385 3.846	2.188 4.106
Quartile 2	5.235	4.88 5.751	4.491 6.229	4.235 6.515
Quartile 3	7.89	7.362 8.102	6.946 8.425	6.682 8.598

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.695	0.4602 -0.4616
Quartile 2	0.235	0.5561 -0.5599
Quartile 3	0.4675	0.4738 -0.4742

{}

Cycle 18B: GBT, VLA, and VLBA

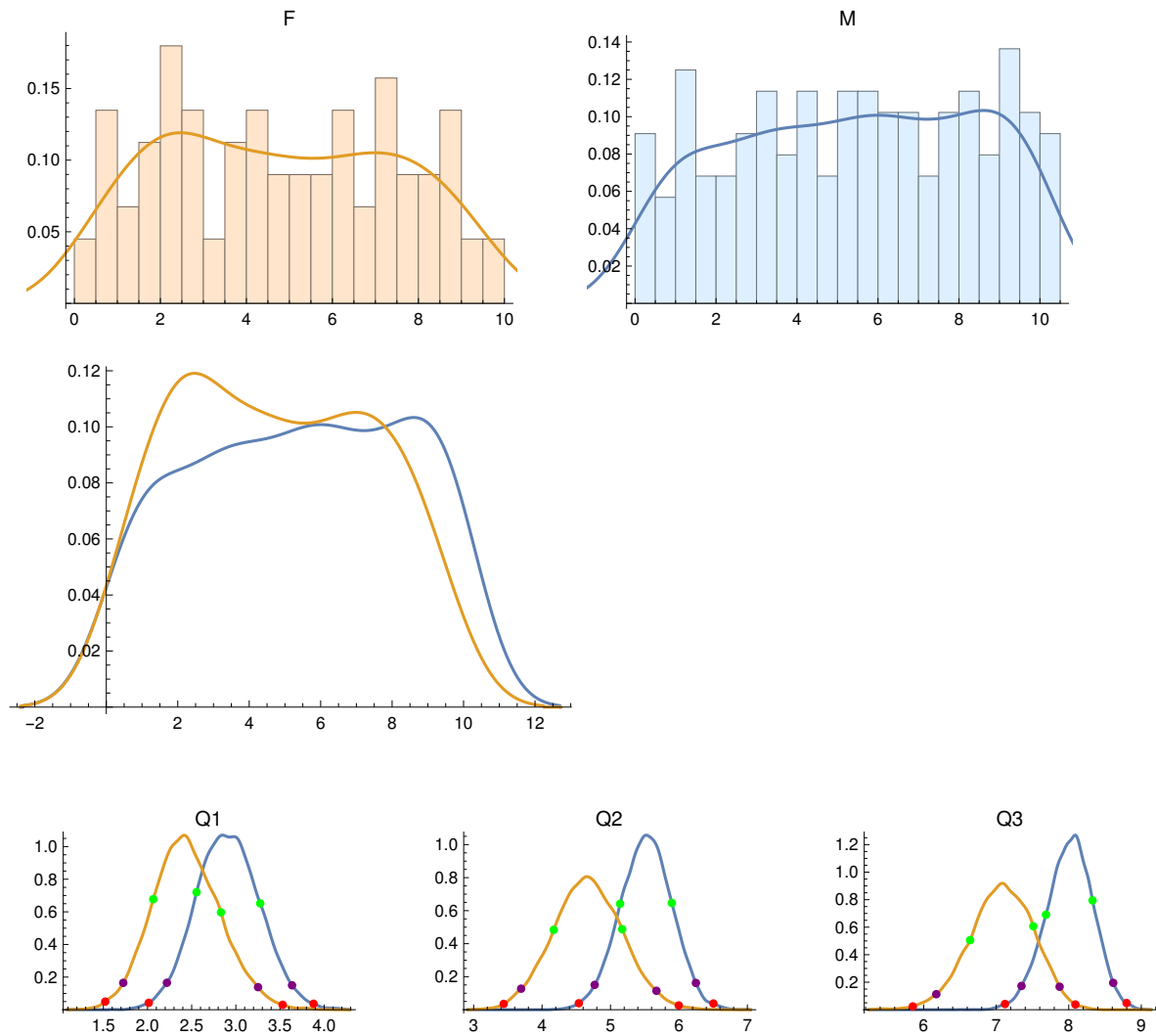
No. Female PIs = 89

No. Male PIs = 176

F PI Quartiles: {2.315, 4.71, 7.03}

M PI Quartiles: {2.995, 5.545, 8.03}

Anderson-Darling two-sample test p-value: 0.0641256



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.995	2.555 3.276	2.219 3.636	2.014 3.88
Quartile 2	5.545	5.141 5.897	4.769 6.248	4.538 6.504
Quartile 3	8.03	7.686 8.328	7.349 8.613	7.121 8.797

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.315	2.065 2.832	1.725 3.251	1.521 3.53
Quartile 2	4.71	4.171 5.171	3.694 5.672	3.439 5.997
Quartile 3	7.03	6.64 7.511	6.173 7.874	5.85 8.092

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.68	0.5248 -0.5329
Quartile 2	-0.835	0.6388 -0.6323
Quartile 3	-1.	0.551 -0.5335

{}

Cycle 19A: GBT, VLA, and VLBA

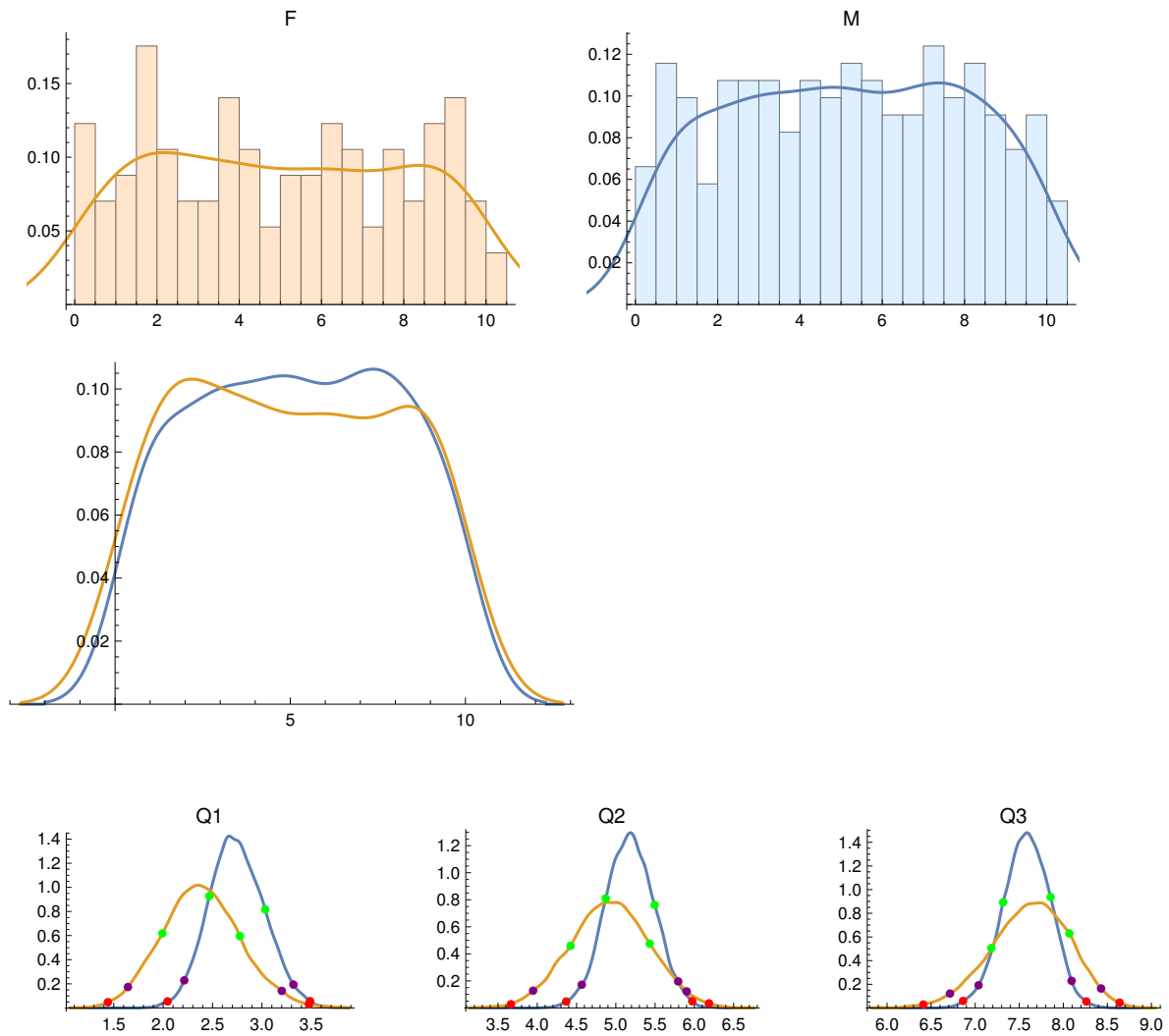
No. Female PIs = 114

No. Male PIs = 242

F PI Quartiles: {2.3, 4.895, 7.73}

M PI Quartiles: {2.77, 5.115, 7.56}

Anderson-Darling two-sample test p-value: 0.72903



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.77	2.468 3.033	2.214 3.319	2.045 3.487
Quartile 2	5.115	4.872 5.494	4.566 5.794	4.368 5.973
Quartile 3	7.56	7.316 7.856	7.038 8.094	6.862 8.262

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.3	1.992 2.776	1.644 3.201	1.441 3.476
Quartile 2	4.895	4.423 5.432	3.947 5.903	3.664 6.186
Quartile 3	7.73	7.184 8.069	6.713 8.429	6.412 8.639

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.47	0.4746 -0.4742
Quartile 2	-0.22	0.5929 -0.585
Quartile 3	0.17	0.5204 -0.5213

{}

Cycle 19B: GBT, VLA, and VLBA

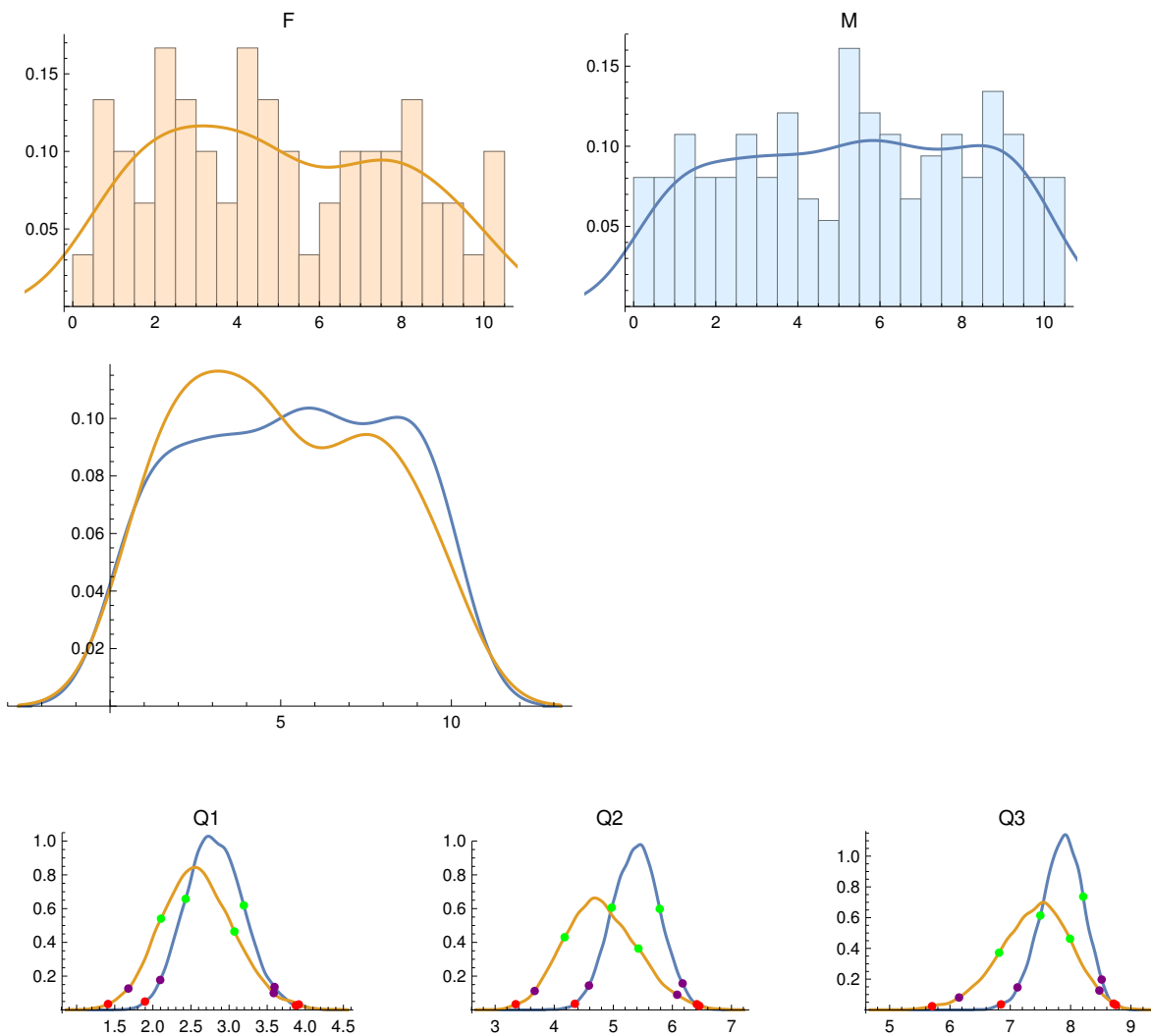
No. Female PIs = 60

No. Male PIs = 149

F PI Quartiles: {2.515, 4.675, 7.485}

M PI Quartiles: {2.86, 5.45, 7.875}

Anderson-Darling two-sample test p-value: 0.709266



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.86	2.43 3.193	2.097 3.596	1.897 3.876
Quartile 2	5.45	4.974 5.786	4.587 6.173	4.349 6.413
Quartile 3	7.875	7.499 8.209	7.12 8.515	6.846 8.713

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.515	2.107 3.07	1.679 3.585	1.412 3.915
Quartile 2	4.675	4.176 5.425	3.669 6.081	3.348 6.456
Quartile 3	7.485	6.815 7.99	6.151 8.477	5.703 8.751

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.345	0.6064 -0.6115
Quartile 2	-0.775	0.7452 -0.7442
Quartile 3	-0.39	0.693 -0.693

{ }

Cycle 20A: GBT, VLA, and VLBA

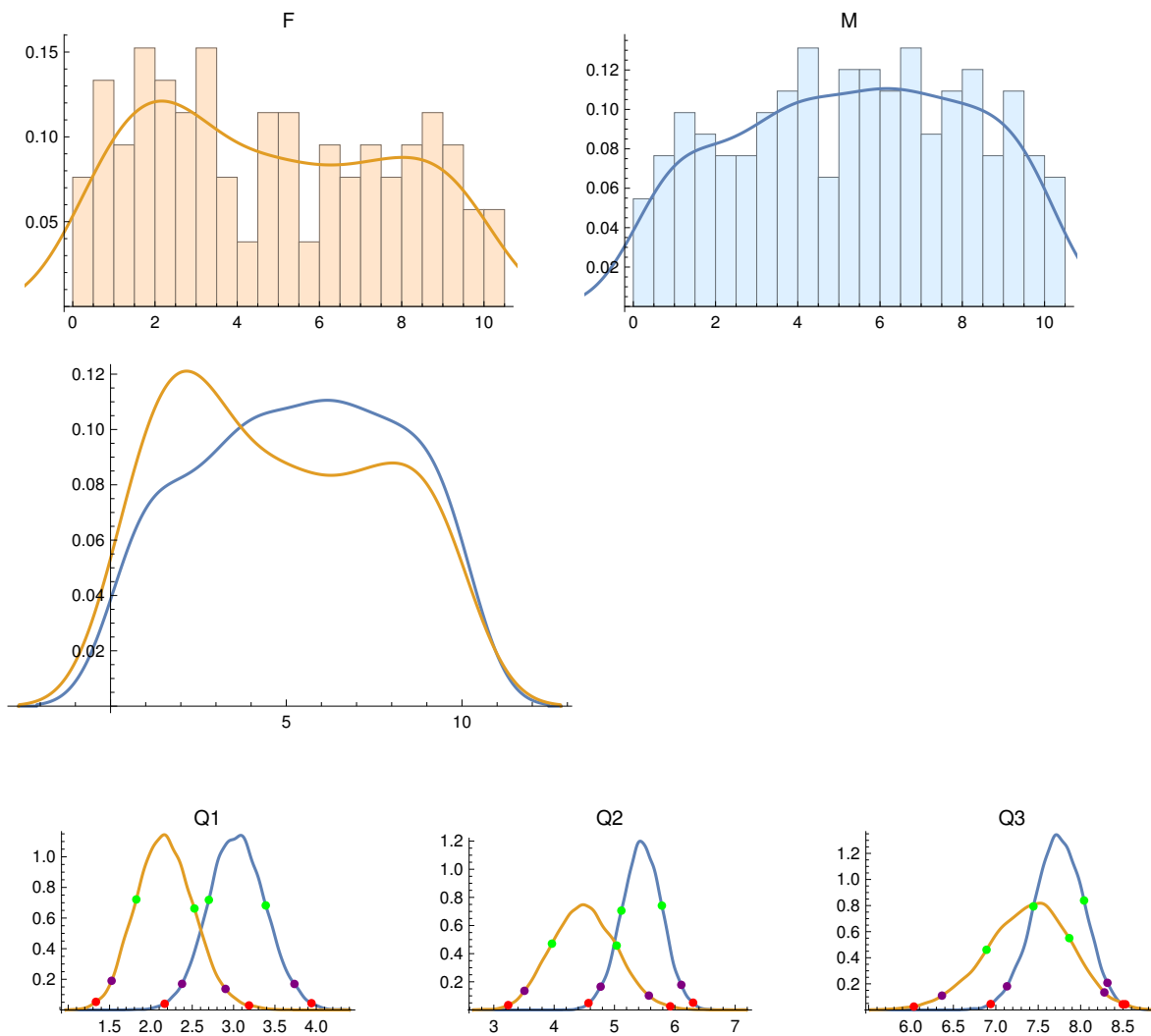
No. Female PIs = 105

No. Male PIs = 183

F PI Quartiles: {2.1, 4.62, 7.4025}

M PI Quartiles: {3.06, 5.5, 7.7425}

Anderson-Darling two-sample test p-value: 0.131124



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.06	2.701 3.389	2.377 3.736	2.166 3.942
Quartile 2	5.5	5.114 5.785	4.771 6.108	4.569 6.303
Quartile 3	7.742	7.443 8.04	7.132 8.316	6.94 8.496

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.1	1.824 2.526	1.525 2.902	1.335 3.187
Quartile 2	4.62	3.963 5.036	3.508 5.57	3.239 5.924
Quartile 3	7.402	6.891 7.866	6.365 8.28	6.034 8.527

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.96	0.4889 -0.4956
Quartile 2	-0.88	0.6283 -0.6239
Quartile 3	-0.34	0.5737 -0.5707

{ }

Cycle 20B: GBT, VLA, and VLBA

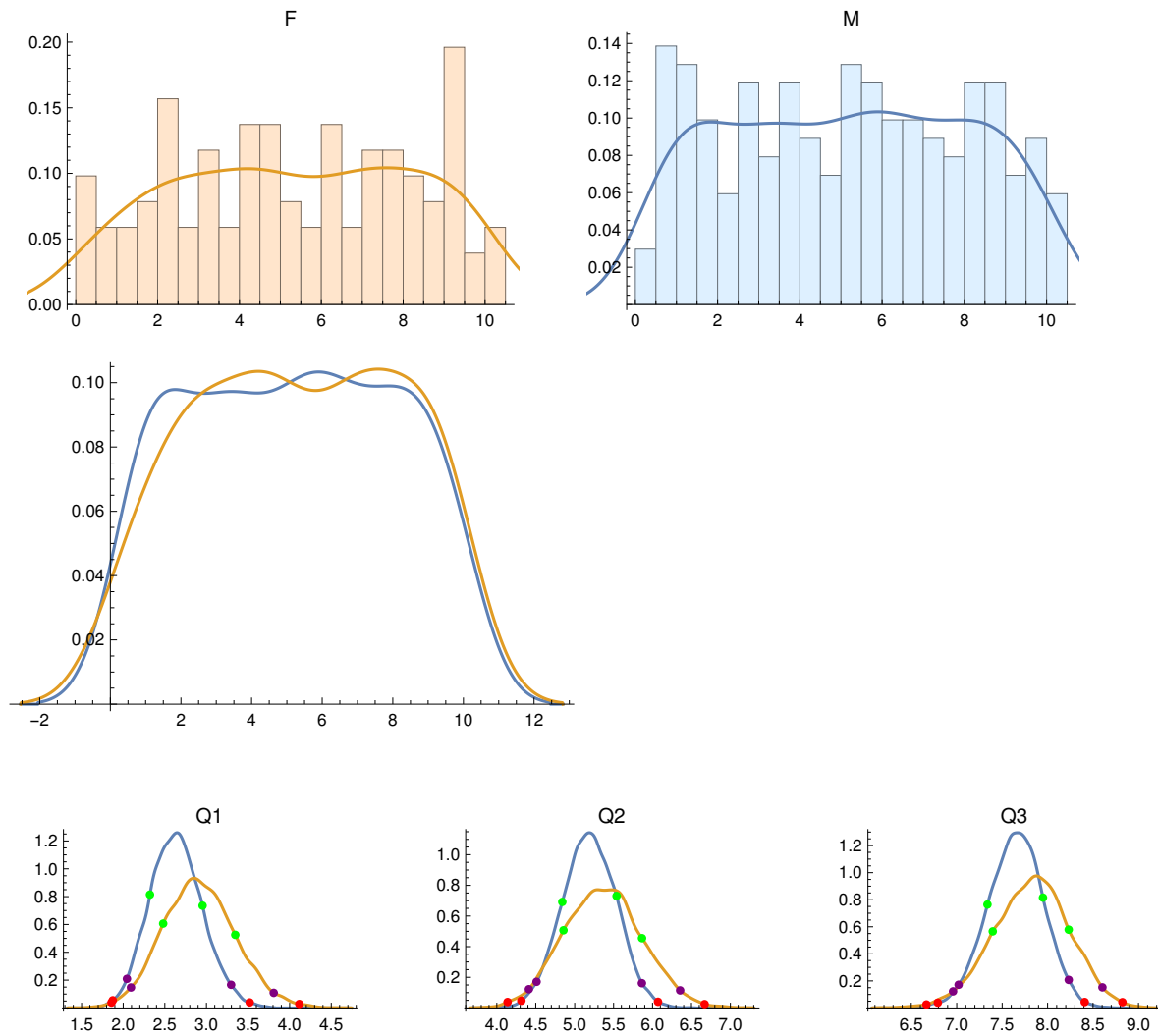
No. Female PIs = 102

No. Male PIs = 202

F PI Quartiles: {2.86, 5.15, 7.66}

M PI Quartiles: {2.73, 5.275, 7.73}

Anderson-Darling two-sample test p-value: 0.833198



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.322 2.954	2.045 3.297	1.875 3.52
Quartile 2	5.275	4.841 5.538	4.51 5.863	4.315 6.07
Quartile 3	7.73	7.338 7.949	7.021 8.232	6.792 8.408

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.86	2.48 3.347	2.093 3.809	1.859 4.116
Quartile 2	5.15	4.856 5.865	4.412 6.354	4.138 6.669
Quartile 3	7.66	7.397 8.232	6.96 8.603	6.667 8.823

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.13	0.5423 -0.5436
Quartile 2	-0.125	0.6047 -0.6185
Quartile 3	-0.07	0.5161 -0.5186

{ }

Cycle 21A: GBT, VLA, and VLBA

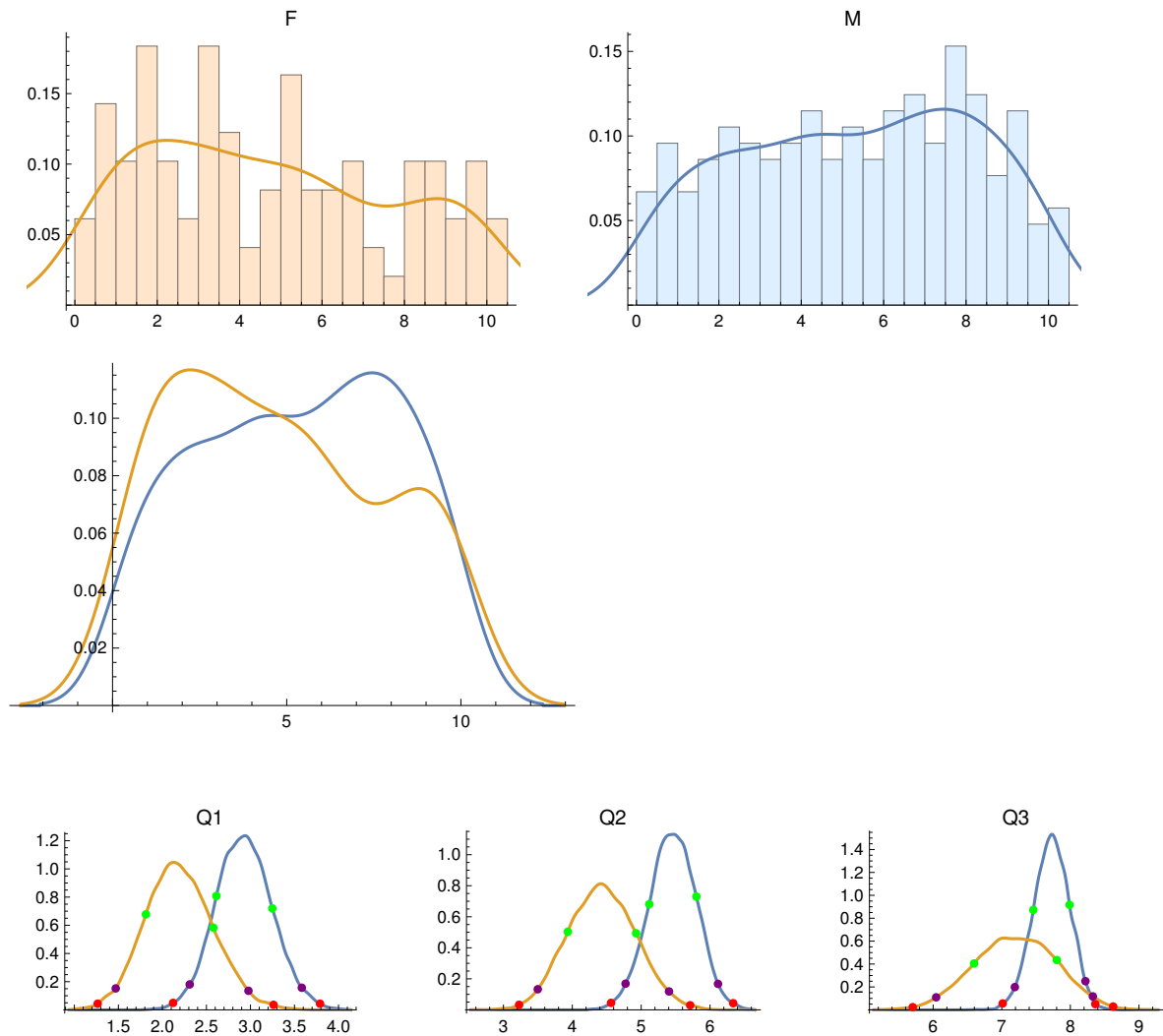
No. Female PIs = 98

No. Male PIs = 209

F PI Quartiles: {2.11, 4.465, 6.97}

M PI Quartiles: {2.87, 5.45, 7.72}

Anderson-Darling two-sample test p-value: 0.097334



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.87	2.613 3.248	2.31 3.583	2.121 3.79
Quartile 2	5.45	5.117 5.802	4.773 6.116	4.563 6.336
Quartile 3	7.72	7.46 7.988	7.191 8.22	7.013 8.364

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.11	1.813 2.579	1.47 2.977	1.265 3.262
Quartile 2	4.465	3.934 4.926	3.498 5.404	3.228 5.712
Quartile 3	6.97	6.597 7.803	6.044 8.328	5.702 8.624

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.76	0.4876 -0.4919
Quartile 2	-0.985	0.6082 -0.6001
Quartile 3	-0.75	0.6564 -0.6513

{ }

All Years, 2012-2021A: GBT, VLA, and VLBA

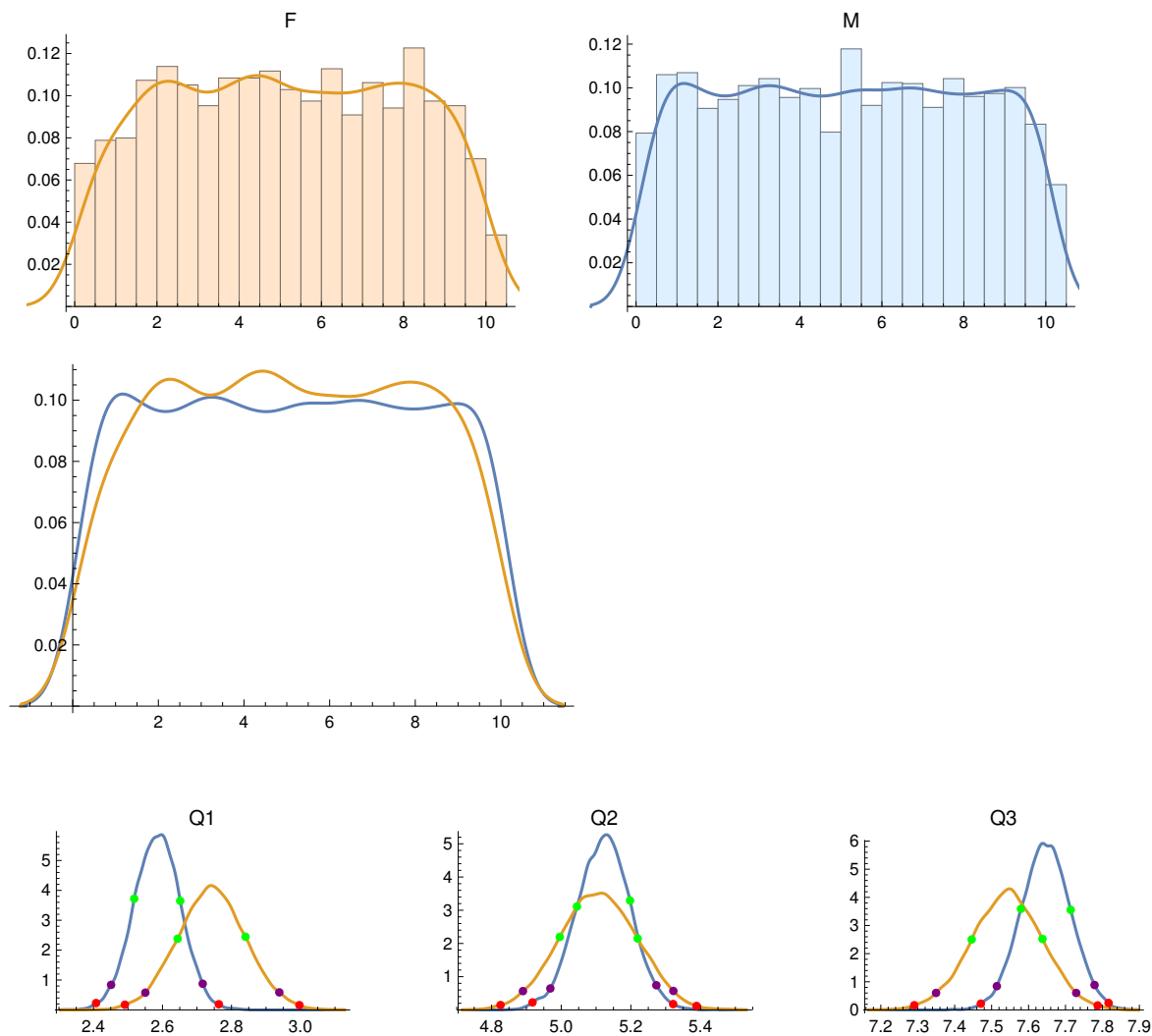
No. Female PIs = 1827

No. Male PIs = 4414

F PI Quartiles: {2.7, 5., 7.5475}

M PI Quartiles: {2.61, 5.12, 7.65}

Anderson-Darling two-sample test p-value: 0.0311894



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.518 2.651	2.451 2.717	2.408 2.763
Quartile 2	5.12	5.045 5.198	4.969 5.273	4.918 5.321
Quartile 3	7.65	7.579 7.714	7.514 7.779	7.471 7.816

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.7	2.644 2.841	2.55 2.939	2.491 2.997
Quartile 2	5.	4.996 5.219	4.89 5.322	4.826 5.389
Quartile 3	7.547	7.446 7.638	7.35 7.729	7.291 7.787

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.09	0.1177 -0.1179
Quartile 2	-0.12	0.135 -0.1353
Quartile 3	-0.1025	0.117 -0.1152

{ }

2012: GBT, VLA, and VLBA

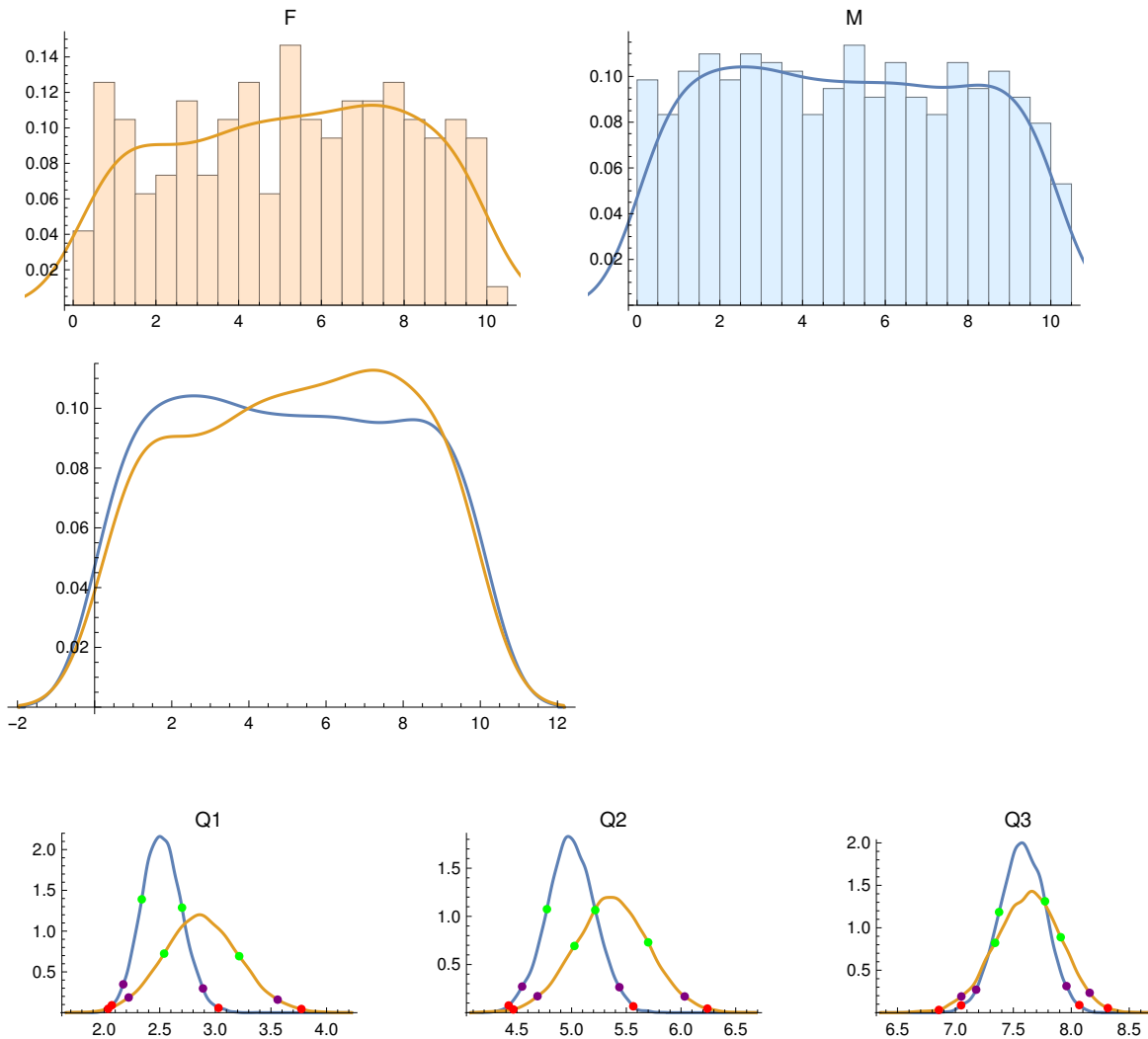
No. Female PIs = 191

No. Male PIs = 528

F PI Quartiles: {2.73, 5.36, 7.56}

M PI Quartiles: {2.5, 5., 7.6}

Anderson-Darling two-sample test p-value: 0.390507



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.338 2.7	2.172 2.889	2.069 3.028
Quartile 2	5.	4.774 5.216	4.547 5.437	4.424 5.564
Quartile 3	7.6	7.377 7.773	7.179 7.959	7.049 8.069

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.54 3.214	2.221 3.56	2.036 3.774
Quartile 2	5.36	5.026 5.7	4.688 6.033	4.467 6.241
Quartile 3	7.56	7.342 7.909	7.051 8.159	6.857 8.316

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.23	0.3826 -0.3817
Quartile 2	0.36	0.4033 -0.4063
Quartile 3	-0.04	0.3463 -0.341

{}

2013: GBT, VLA, and VLBA

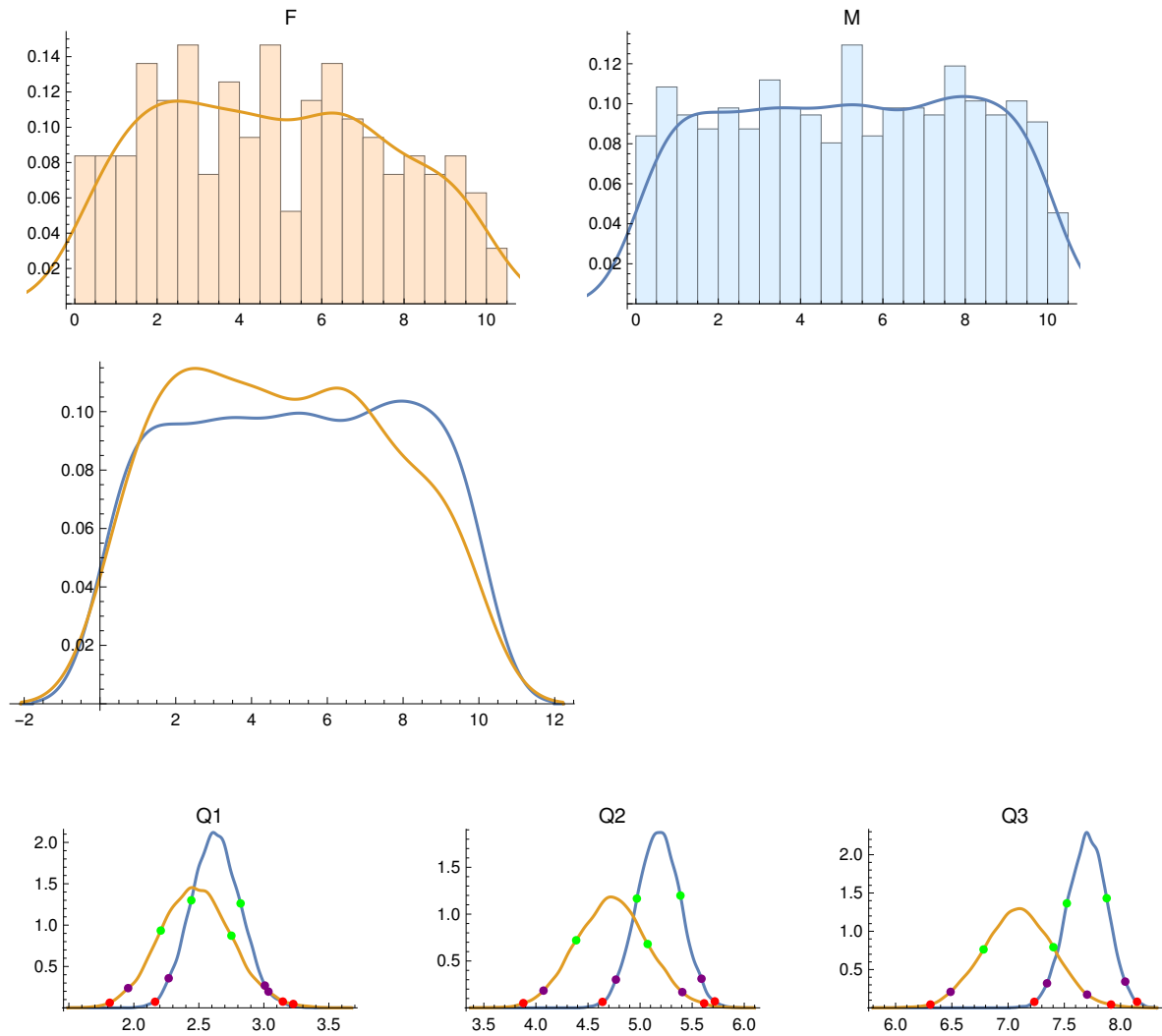
No. Female PIs = 191

No. Male PIs = 572

F PI Quartiles: {2.4775, 4.68, 6.995}

M PI Quartiles: {2.605, 5.18, 7.74}

Anderson-Darling two-sample test p-value: 0.204125



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.605	2.442 2.821	2.268 3.008	2.163 3.146
Quartile 2	5.18	4.969 5.388	4.768 5.59	4.64 5.718
Quartile 3	7.74	7.522 7.877	7.346 8.041	7.233 8.147

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.478	2.207 2.75	1.956 3.035	1.814 3.227
Quartile 2	4.68	4.387 5.073	4.073 5.406	3.879 5.615
Quartile 3	6.995	6.782 7.403	6.489 7.702	6.31 7.915

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.1275	0.3302 -0.3339
Quartile 2	-0.5	0.4012 -0.3982
Quartile 3	-0.745	0.352 -0.3579

{ }

2014: GBT, VLA, and VLBA

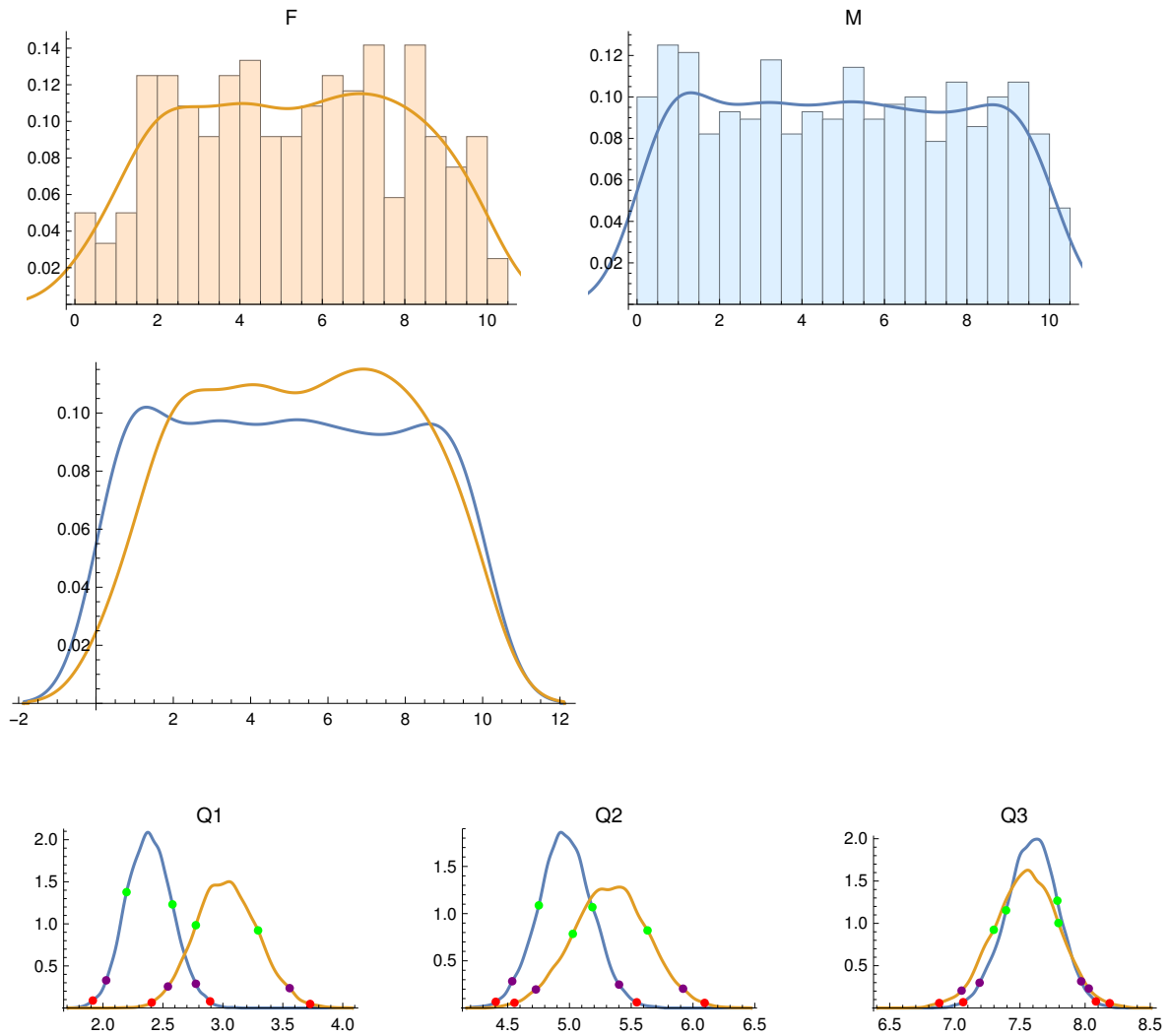
No. Female PIs = 240

No. Male PIs = 560

F PI Quartiles: {3.01, 5.4, 7.45}

M PI Quartiles: {2.395, 5., 7.605}

Anderson-Darling two-sample test p-value: 0.0399897



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.395	2.196 2.579	2.027 2.775	1.915 2.893
Quartile 2	5.	4.752 5.186	4.537 5.402	4.404 5.545
Quartile 3	7.605	7.393 7.787	7.19 7.97	7.064 8.083

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.01	2.774 3.294	2.542 3.557	2.406 3.728
Quartile 2	5.4	5.027 5.632	4.729 5.92	4.555 6.094
Quartile 3	7.45	7.299 7.795	7.052 8.028	6.88 8.188

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.615	0.3263 -0.3268
Quartile 2	0.4	0.3671 -0.3744
Quartile 3	-0.155	0.3131 -0.3159

{}

2015: GBT, VLA, and VLBA

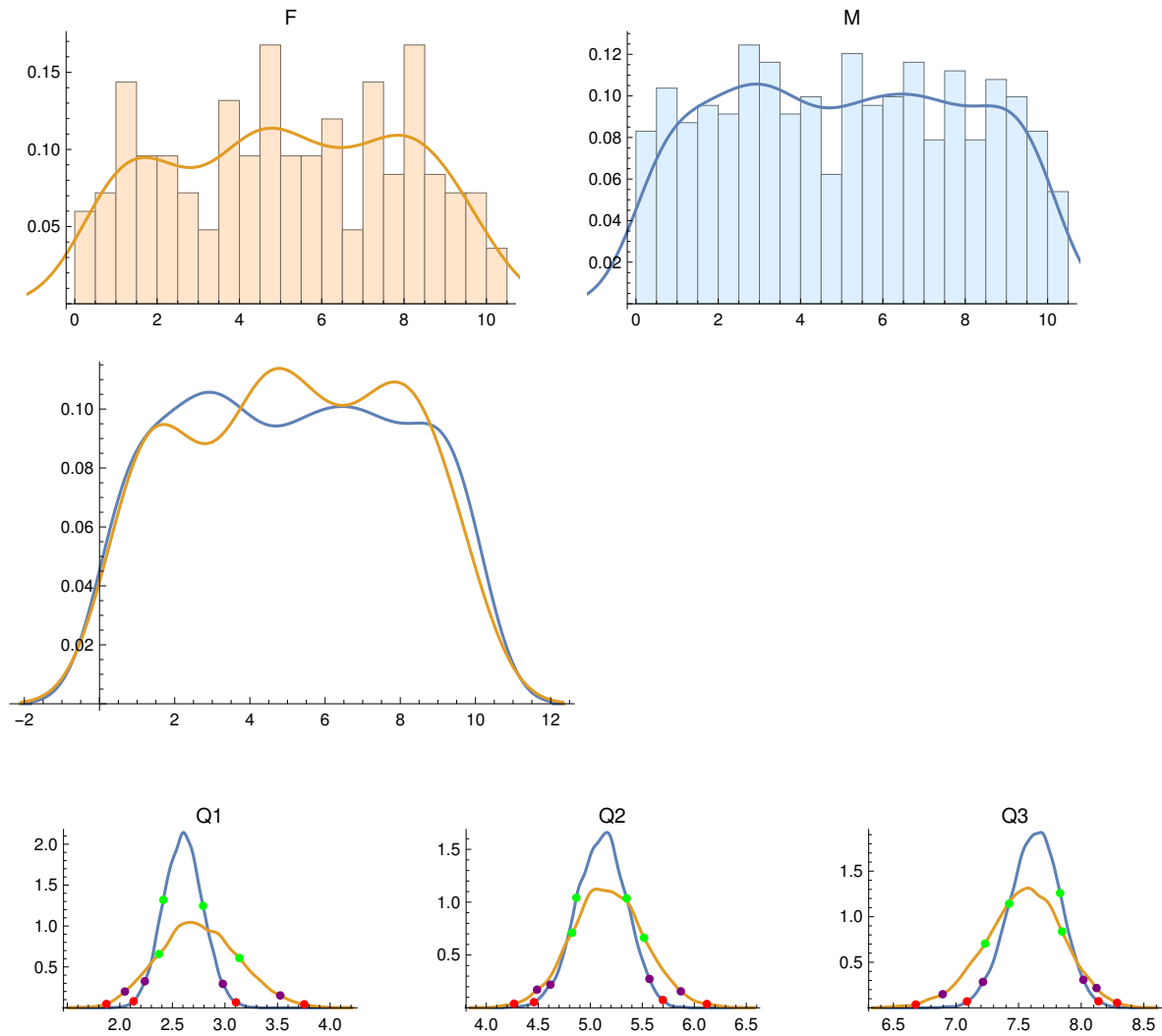
No. Female PIs = 167

No. Male PIs = 482

F PI Quartiles: {2.5875, 5., 7.6725}

M PI Quartiles: {2.67, 5.155, 7.61}

Anderson-Darling two-sample test p-value: 0.707823



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.67	2.414 2.792	2.238 2.98	2.13 3.105
Quartile 2	5.155	4.866 5.35	4.617 5.569	4.459 5.698
Quartile 3	7.61	7.424 7.832	7.215 8.017	7.087 8.138

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.588	2.372 3.138	2.048 3.526	1.872 3.754
Quartile 2	5.	4.825 5.517	4.488 5.871	4.267 6.12
Quartile 3	7.672	7.233 7.846	6.894 8.122	6.679 8.286

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.0825	0.4265 -0.4242
Quartile 2	-0.155	0.4189 -0.4214
Quartile 3	0.0625	0.3695 -0.3715

{ }

2016: GBT, VLA, and VLBA

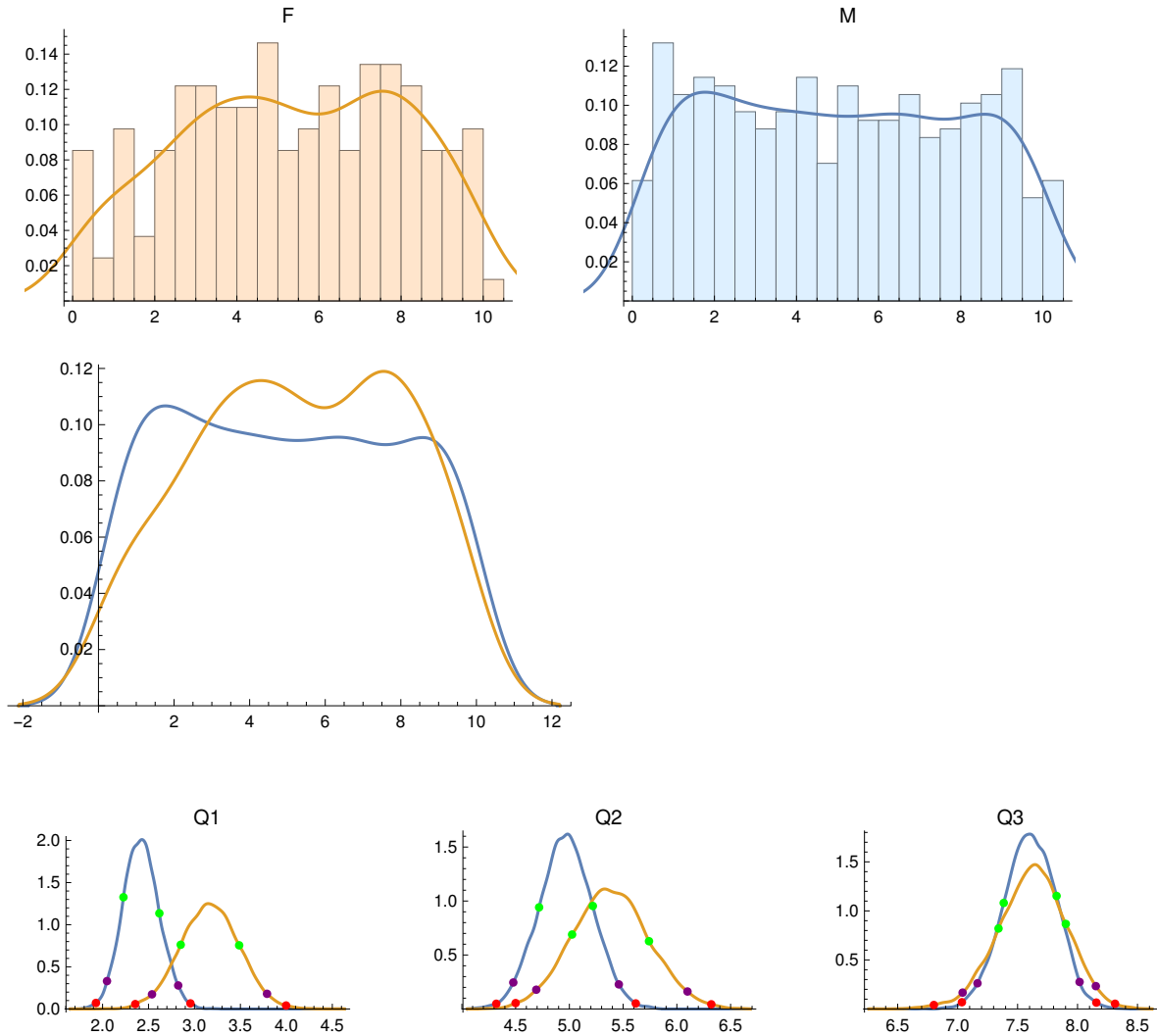
No. Female PIs = 164

No. Male PIs = 455

F PI Quartiles: {3.245, 5.38, 7.58}

M PI Quartiles: {2.385, 5., 7.6125}

Anderson-Darling two-sample test p-value: 0.125781



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.385	2.227 2.618	2.048 2.823	1.928 2.956
Quartile 2	5.	4.719 5.218	4.478 5.46	4.32 5.618
Quartile 3	7.612	7.384 7.825	7.166 8.017	7.036 8.157

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.245	2.85 3.486	2.538 3.789	2.356 3.997
Quartile 2	5.38	5.025 5.741	4.692 6.099	4.5 6.321
Quartile 3	7.58	7.341 7.902	7.042 8.153	6.802 8.313

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.86	0.3727 -0.3761
Quartile 2	0.38	0.4442 -0.4367
Quartile 3	-0.0325	0.3541 -0.3588

{}

2017: GBT, VLA, and VLBA

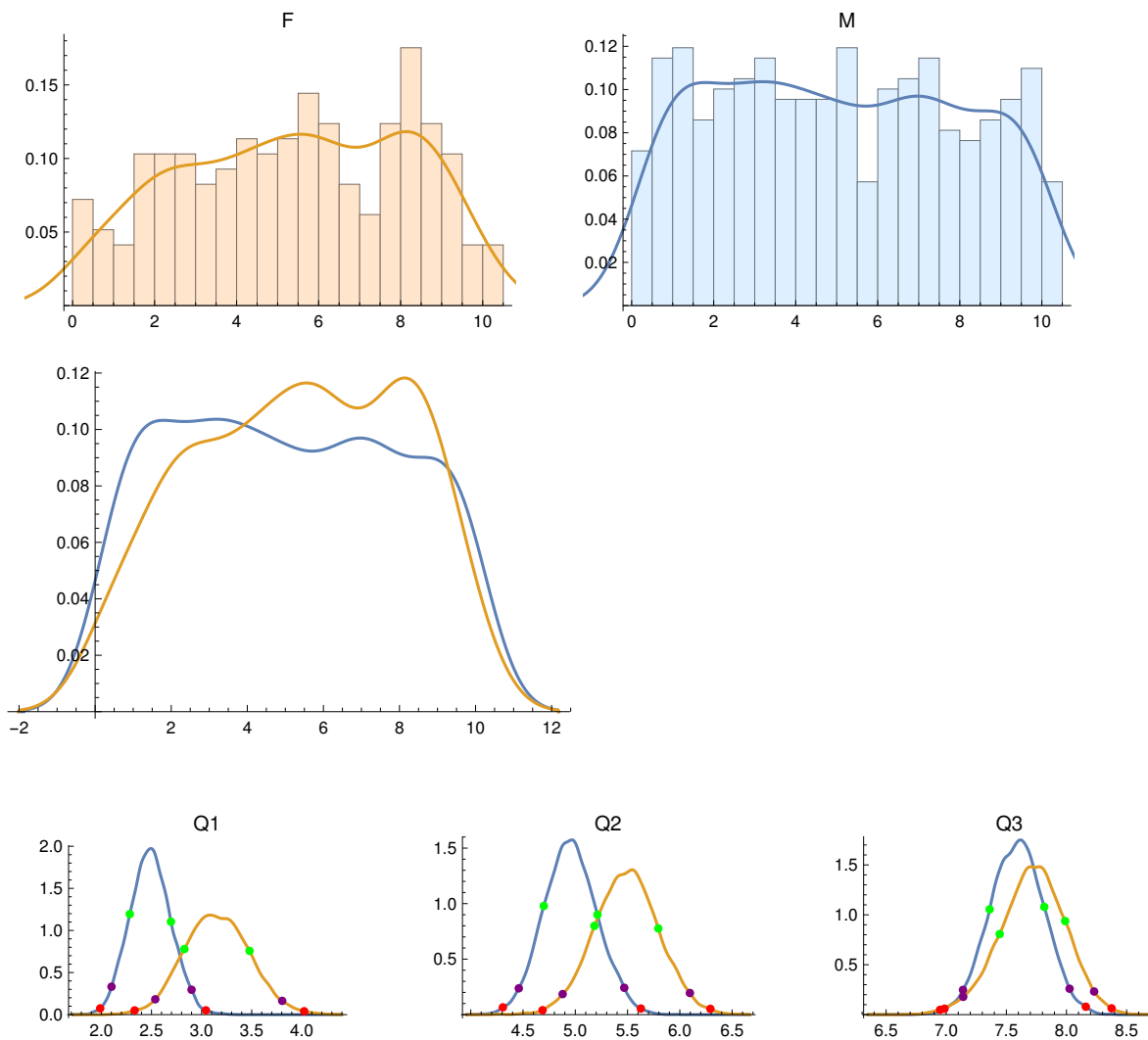
No. Female PIs = 194

No. Male PIs = 419

F PI Quartiles: {3.11, 5.5, 7.89}

M PI Quartiles: {2.5, 5., 7.5}

Anderson-Darling two-sample test p-value: 0.0858812



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.284 2.694	2.101 2.9	1.988 3.043
Quartile 2	5.	4.699 5.212	4.459 5.469	4.307 5.627
Quartile 3	7.5	7.361 7.815	7.139 8.026	6.986 8.161

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.11	2.829 3.479	2.538 3.804	2.332 4.024
Quartile 2	5.5	5.183 5.795	4.879 6.096	4.687 6.292
Quartile 3	7.89	7.445 7.989	7.141 8.23	6.948 8.375

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.61	0.3847 -0.3824
Quartile 2	0.5	0.4003 -0.3972
Quartile 3	0.39	0.3588 -0.354

{}

2018: GBT, VLA, and VLBA

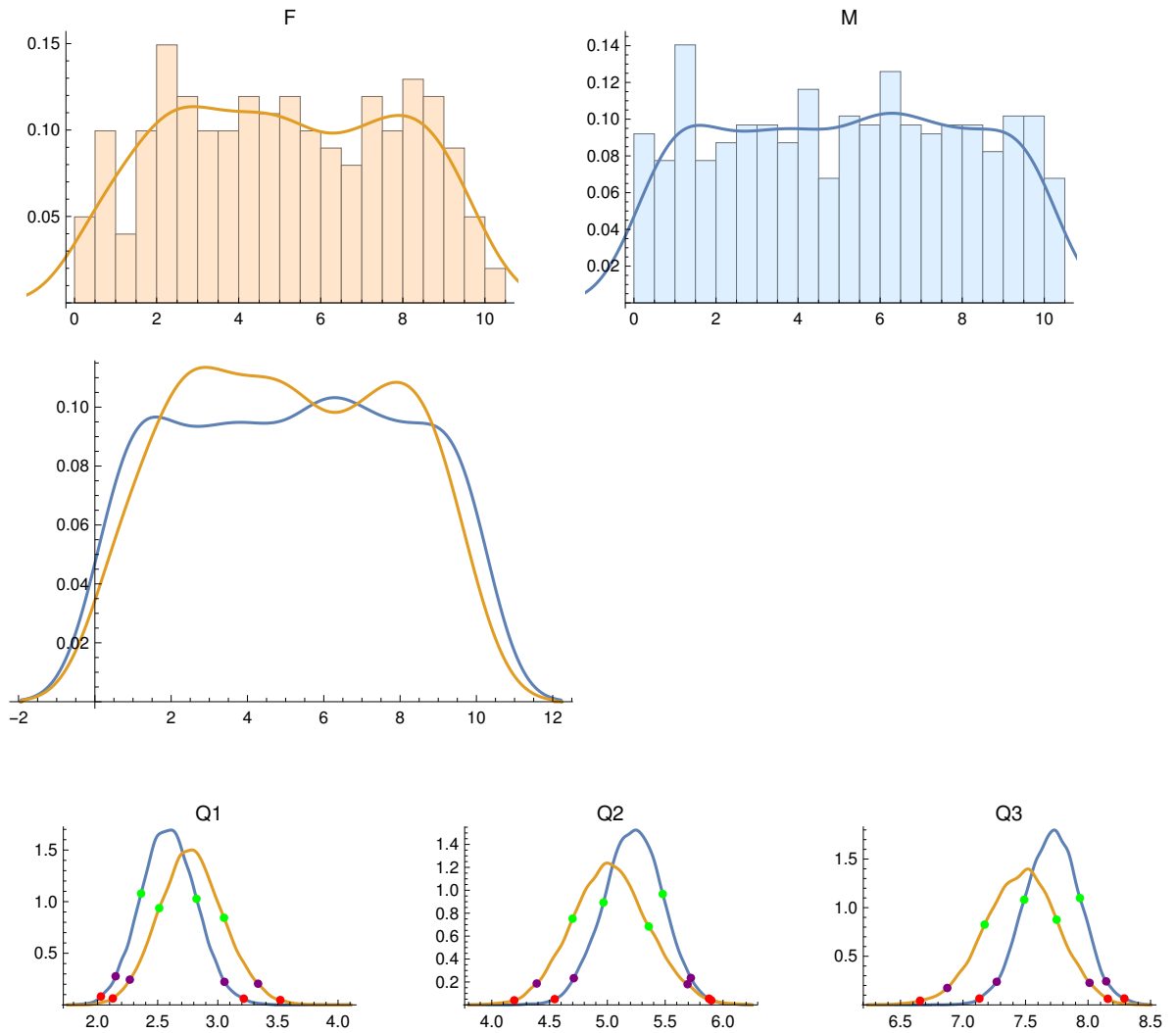
No. Female PIs = 201

No. Male PIs = 413

F PI Quartiles: {2.8075, 5., 7.545}

M PI Quartiles: {2.5975, 5.26, 7.7375}

Anderson-Darling two-sample test p-value: 0.225318



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.598	2.362 2.823	2.15 3.055	2.028 3.216
Quartile 2	5.26	4.966 5.479	4.71 5.722	4.544 5.879
Quartile 3	7.738	7.489 7.935	7.27 8.145	7.131 8.29

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.808	2.513 3.052	2.268 3.335	2.127 3.52
Quartile 2	5.	4.699 5.358	4.389 5.694	4.195 5.898
Quartile 3	7.545	7.173 7.749	6.874 8.012	6.656 8.158

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.21	0.3587 -0.3591
Quartile 2	-0.26	0.4229 -0.4186
Quartile 3	-0.1925	0.3642 -0.3631

{}

2019: GBT, VLA, and VLBA

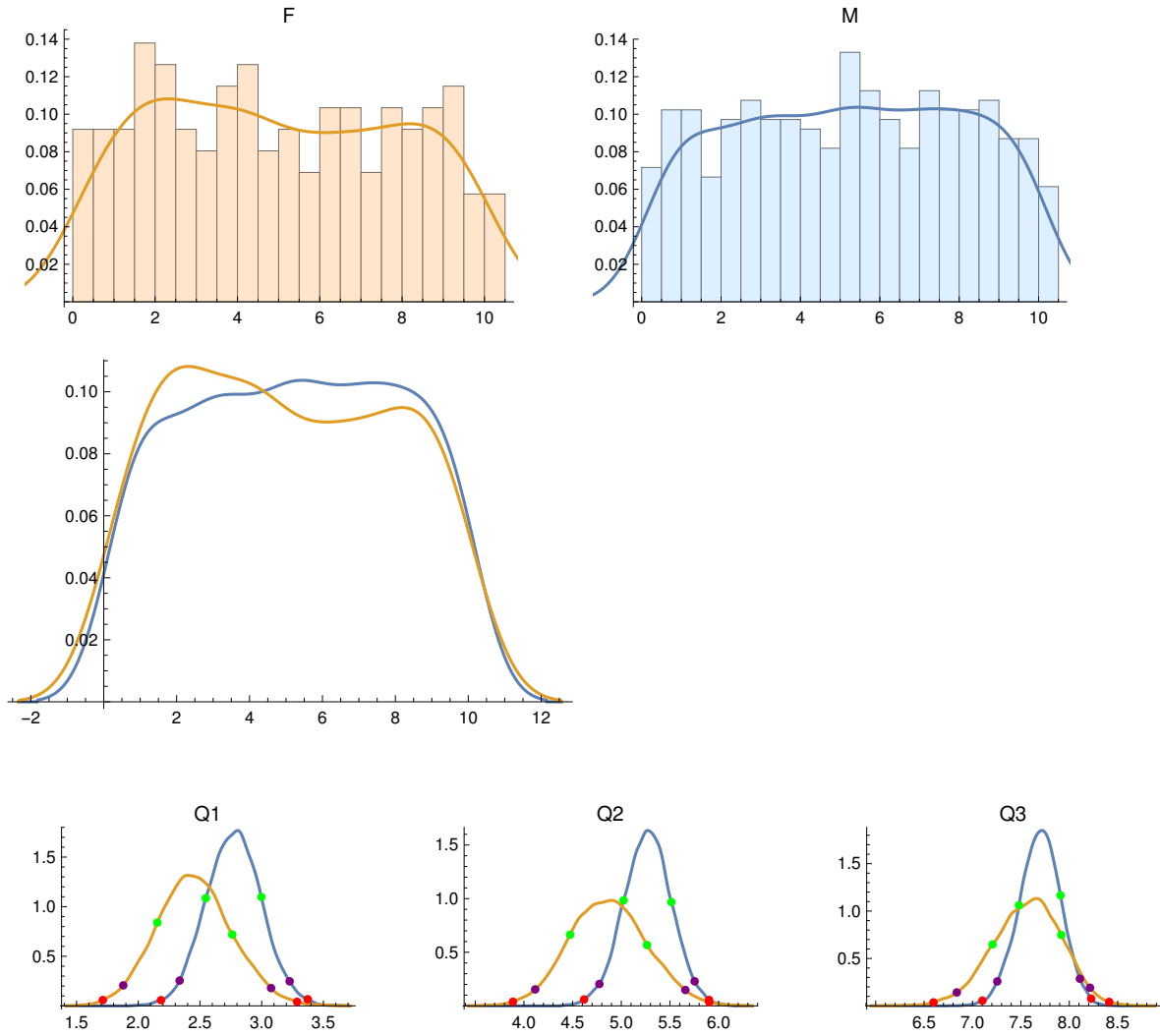
No. Female PIs = 174

No. Male PIs = 391

F PI Quartiles: {2.38, 4.735, 7.66}

M PI Quartiles: {2.86, 5.26, 7.68}

Anderson-Darling two-sample test p-value: 0.684719



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.86	2.547 2.997	2.335 3.227	2.184 3.373
Quartile 2	5.26	5.024 5.514	4.775 5.753	4.618 5.902
Quartile 3	7.68	7.48 7.909	7.256 8.11	7.103 8.225

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.38	2.154 2.761	1.879 3.076	1.713 3.287
Quartile 2	4.735	4.474 5.265	4.116 5.658	3.887 5.903
Quartile 3	7.66	7.207 7.917	6.838 8.214	6.597 8.412

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.48	0.3759 -0.3793
Quartile 2	-0.525	0.4698 -0.4642
Quartile 3	-0.02	0.4089 -0.4095

{}

2020: GBT, VLA, and VLBA

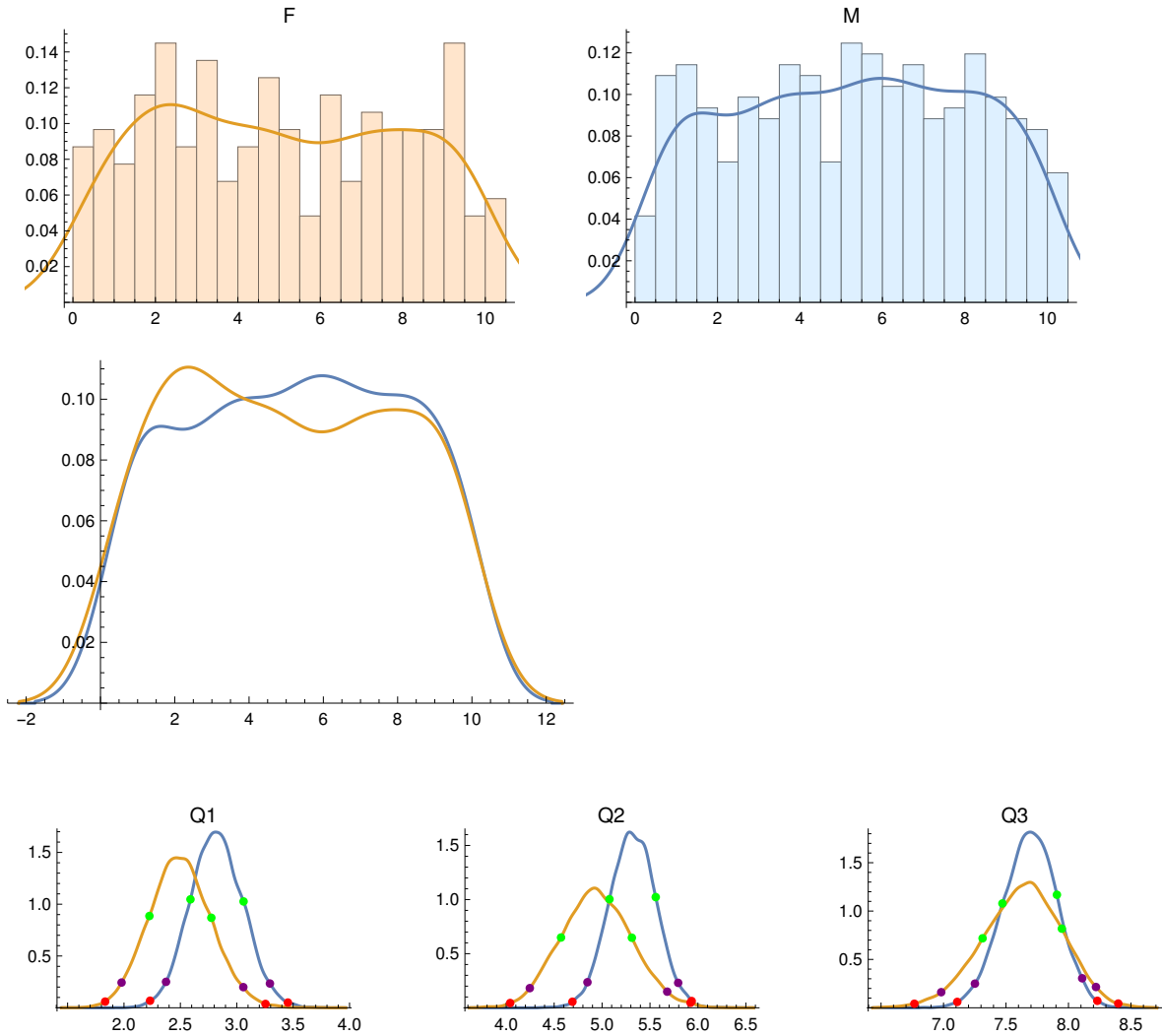
No. Female PIs = 207

No. Male PIs = 385

F PI Quartiles: {2.4075, 4.84, 7.545}

M PI Quartiles: {2.8975, 5.38, 7.7325}

Anderson-Darling two-sample test p-value: 0.606577



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.898	2.59 3.06	2.373 3.294	2.231 3.453
Quartile 2	5.38	5.077 5.56	4.847 5.794	4.691 5.935
Quartile 3	7.732	7.472 7.908	7.251 8.11	7.11 8.231

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.407	2.225 2.774	1.979 3.058	1.833 3.255
Quartile 2	4.84	4.572 5.311	4.246 5.68	4.041 5.923
Quartile 3	7.545	7.313 7.947	6.982 8.22	6.767 8.399

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.49	0.3603 -0.3583
Quartile 2	-0.54	0.4425 -0.4357
Quartile 3	-0.1875	0.383 -0.38

{}

2021: GBT, VLA, and VLBA

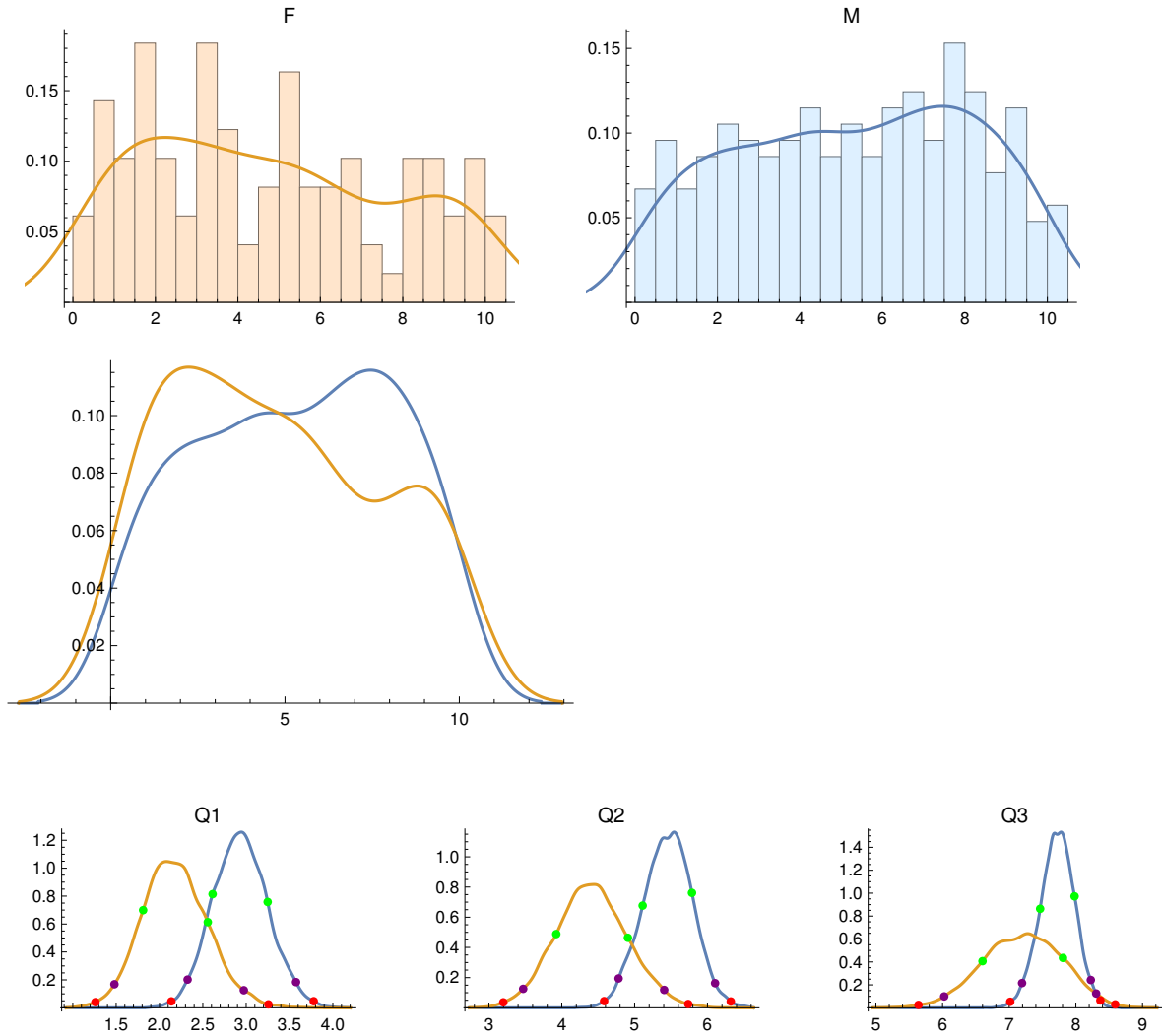
No. Female PIs = 98

No. Male PIs = 209

F PI Quartiles: {2.11, 4.465, 6.97}

M PI Quartiles: {2.87, 5.45, 7.72}

Anderson-Darling two-sample test p-value: 0.097334



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.87	2.613 3.248	2.324 3.576	2.137 3.779
Quartile 2	5.45	5.11 5.788	4.78 6.105	4.581 6.32
Quartile 3	7.72	7.464 7.981	7.193 8.224	7.015 8.368

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.11	1.811 2.557	1.48 2.973	1.261 3.256
Quartile 2	4.465	3.925 4.908	3.47 5.406	3.197 5.736
Quartile 3	6.97	6.599 7.806	6.025 8.305	5.638 8.591

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.76	0.486 -0.4863
Quartile 2	-0.985	0.5938 -0.594
Quartile 3	-0.75	0.6469 -0.6551

{}

All Years, 2012-2021A: GBT, VLA, and VLBA

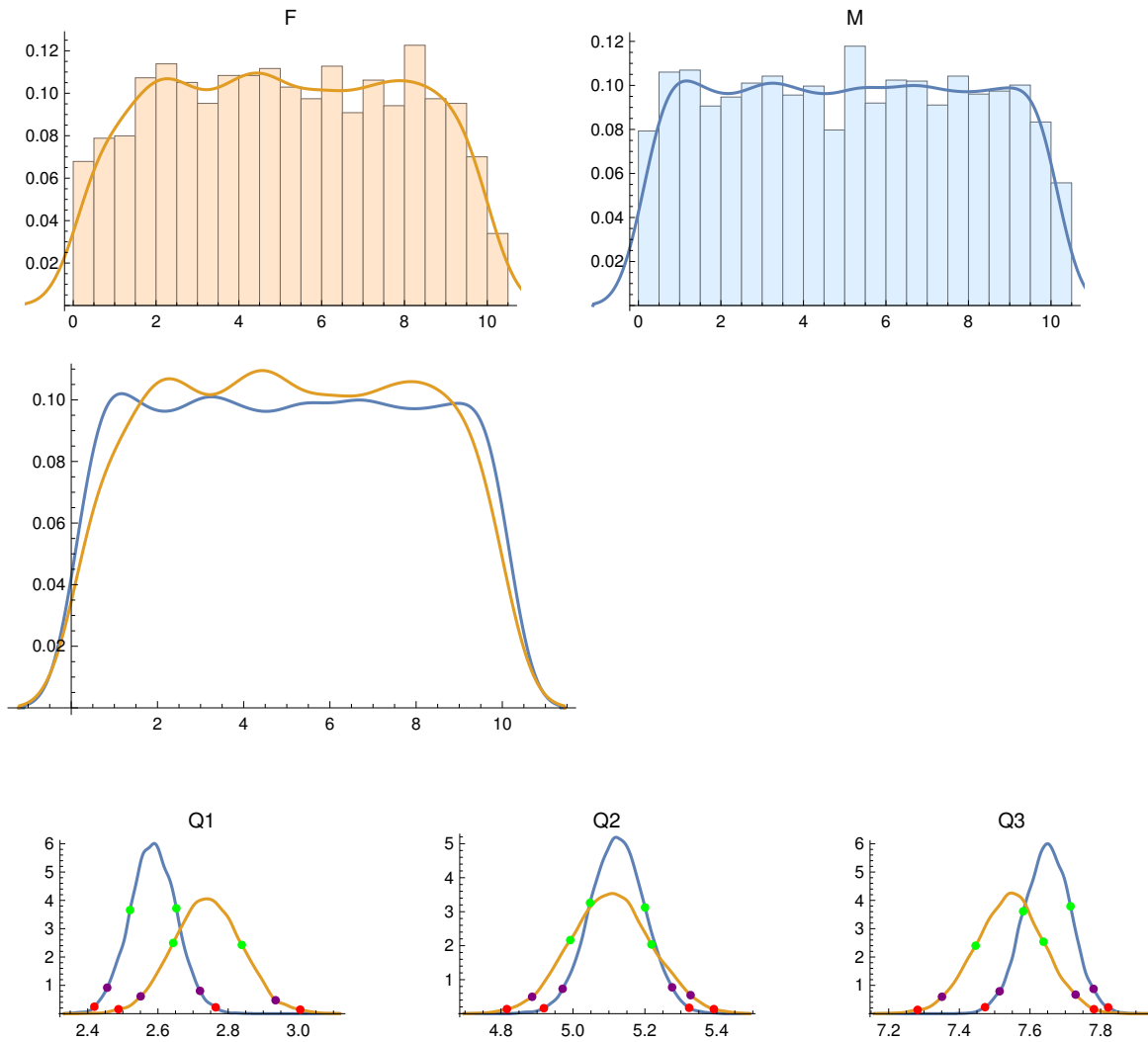
No. Female PIs = 1827

No. Male PIs = 4414

F PI Quartiles: {2.7, 5., 7.5475}

M PI Quartiles: {2.61, 5.12, 7.65}

Anderson-Darling two-sample test p-value: 0.0311894



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.521 2.652	2.455 2.72	2.419 2.764
Quartile 2	5.12	5.048 5.2	4.971 5.276	4.919 5.323
Quartile 3	7.65	7.581 7.715	7.514 7.78	7.473 7.821

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.7	2.643 2.839	2.551 2.935	2.488 3.005
Quartile 2	5.	4.992 5.218	4.886 5.327	4.816 5.392
Quartile 3	7.547	7.446 7.638	7.351 7.729	7.282 7.781

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.09	0.1171 -0.1187
Quartile 2	-0.12	0.1363 -0.1345
Quartile 3	-0.1025	0.1176 -0.1174

{ }

All Years, 2012-2021A: GBT, VLA, and VLBA

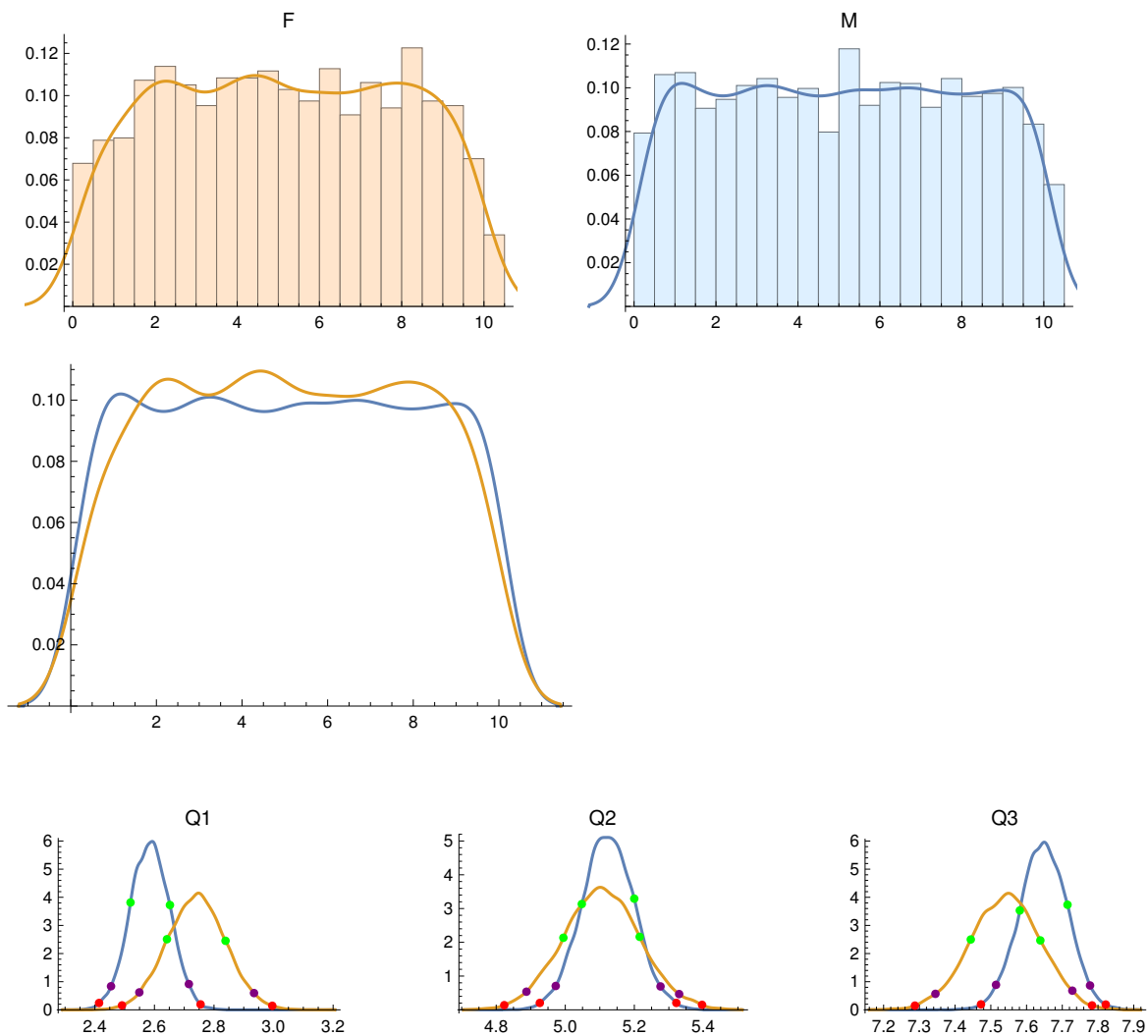
No. Female PIs = 1827

No. Male PIs = 4414

F PI Quartiles: {2.7, 5., 7.5475}

M PI Quartiles: {2.61, 5.12, 7.65}

Anderson-Darling two-sample test p-value: 0.0311894



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.52 2.652	2.454 2.716	2.414 2.755
Quartile 2	5.12	5.048 5.2	4.972 5.276	4.926 5.322
Quartile 3	7.65	7.581 7.715	7.515 7.778	7.473 7.822

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.7	2.642 2.839	2.549 2.934	2.491 2.996
Quartile 2	5.	4.995 5.215	4.888 5.33	4.823 5.396
Quartile 3	7.547	7.444 7.639	7.345 7.728	7.288 7.783

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.09	0.1182 -0.1183
Quartile 2	-0.12	0.1333 -0.1355
Quartile 3	-0.1025	0.1203 -0.1193

{}

Cycle 12A: GBT, VLA, and VLBA

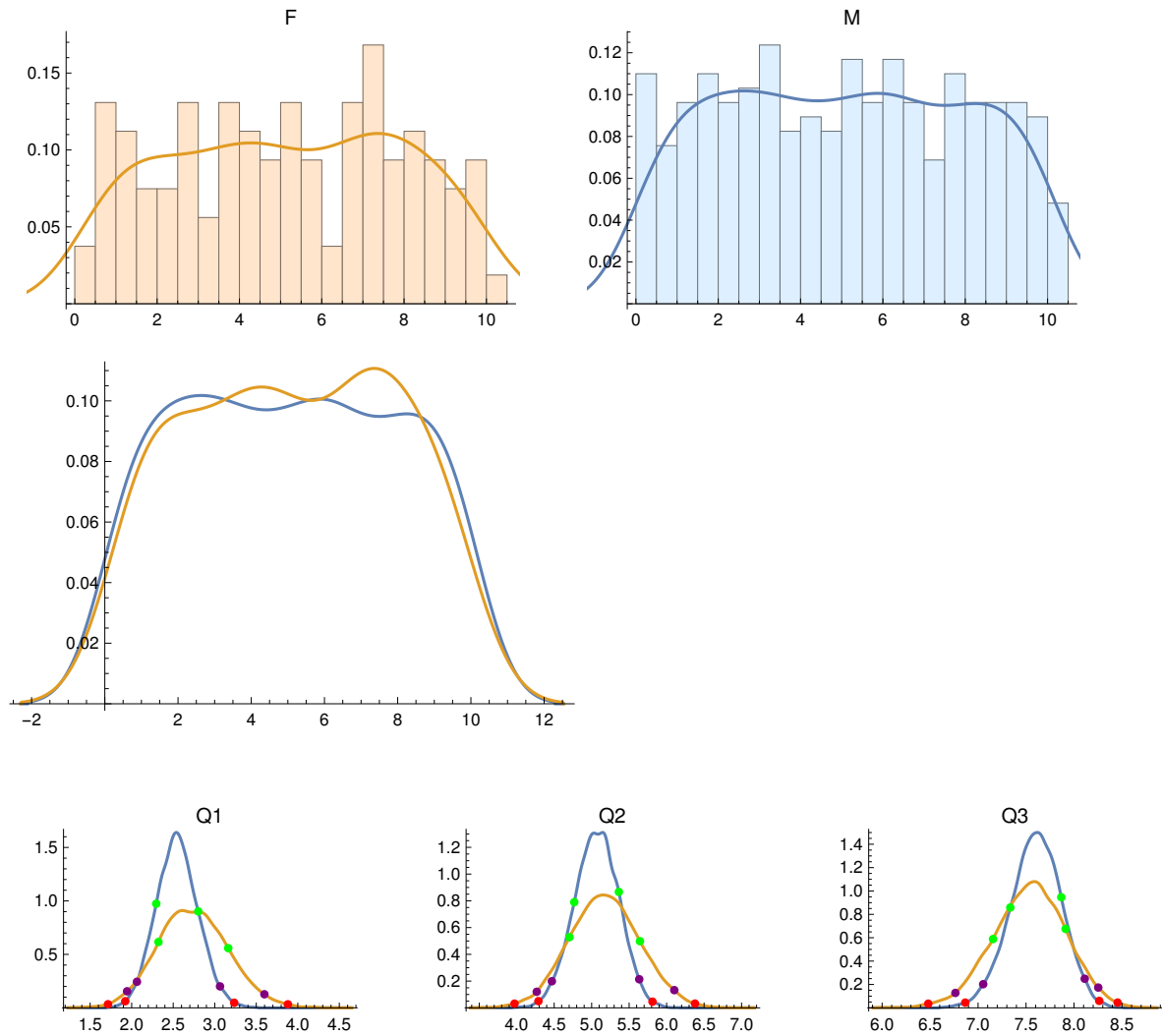
No. Female PIs = 107

No. Male PIs = 291

F PI Quartiles: {2.7025, 5.22, 7.45}

M PI Quartiles: {2.52, 5.08, 7.65}

Anderson-Darling two-sample test p-value: 0.856112



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.52	2.296 2.802	2.064 3.064	1.923 3.234
Quartile 2	5.08	4.768 5.363	4.469 5.635	4.29 5.812
Quartile 3	7.65	7.336 7.867	7.054 8.112	6.867 8.263

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.702	2.323 3.163	1.945 3.598	1.715 3.881
Quartile 2	5.22	4.704 5.644	4.267 6.103	3.971 6.379
Quartile 3	7.45	7.156 7.912	6.764 8.253	6.481 8.455

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1825	0.4988 -0.4914
Quartile 2	0.14	0.5523 -0.5559
Quartile 3	-0.2	0.4635 -0.4661

{}

Cycle 12B: GBT, VLA, and VLBA

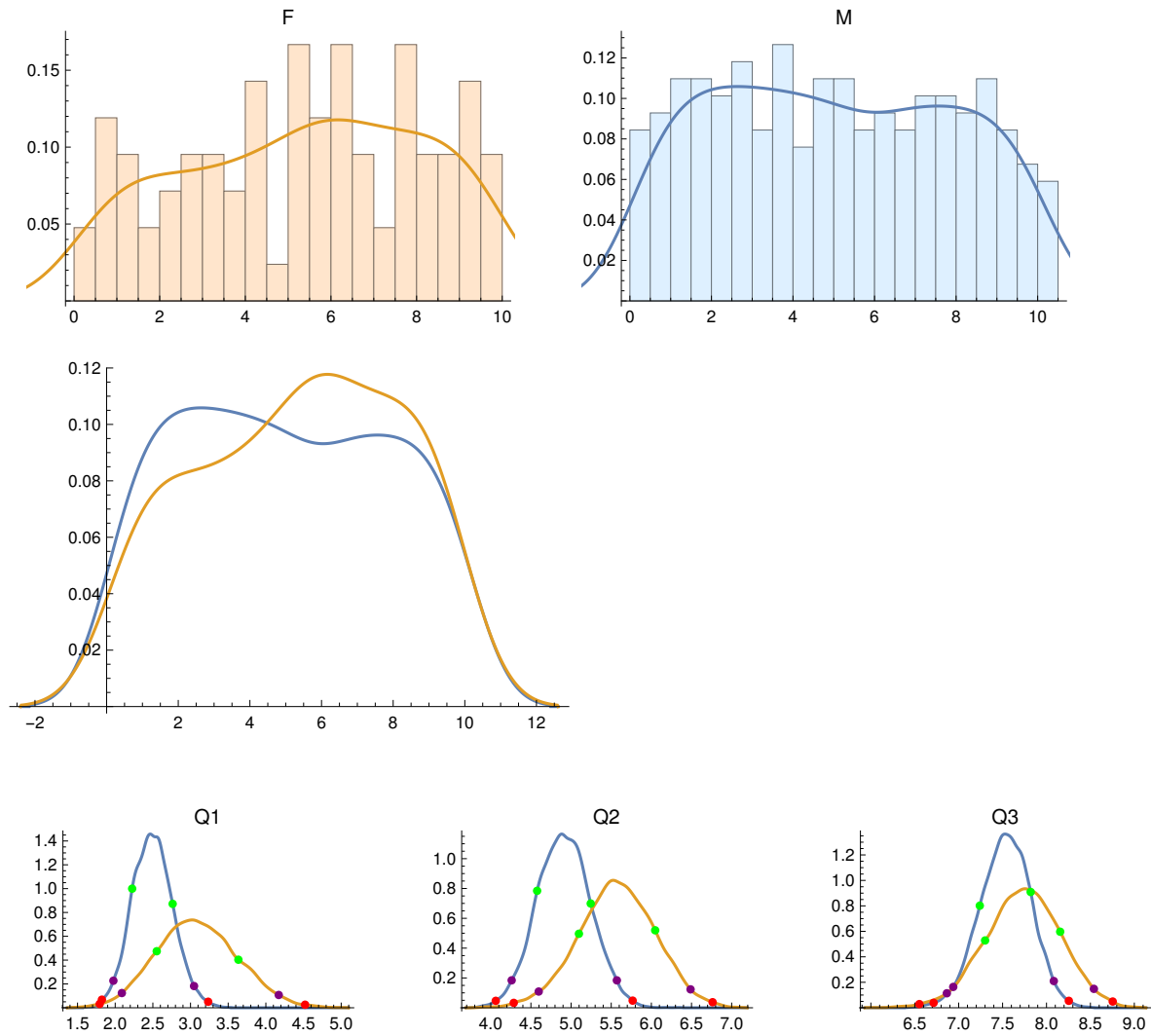
No. Female PIs = 84

No. Male PIs = 237

F PI Quartiles: {3.195, 5.725, 7.755}

M PI Quartiles: {2.49, 4.85, 7.5}

Anderson-Darling two-sample test p-value: 0.397166



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.49	2.225 2.763	1.976 3.047	1.823 3.235
Quartile 2	4.85	4.577 5.245	4.26 5.57	4.062 5.767
Quartile 3	7.5	7.24 7.82	6.938 8.083	6.715 8.254

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.195	2.551 3.635	2.088 4.171	1.794 4.521
Quartile 2	5.725	5.098 6.048	4.597 6.488	4.286 6.763
Quartile 3	7.755	7.301 8.156	6.865 8.54	6.552 8.754

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.705	0.6118 -0.5988
Quartile 2	0.875	0.5799 -0.5801
Quartile 3	0.255	0.5172 -0.5113

{}

Cycle 13A: GBT, VLA, and VLBA

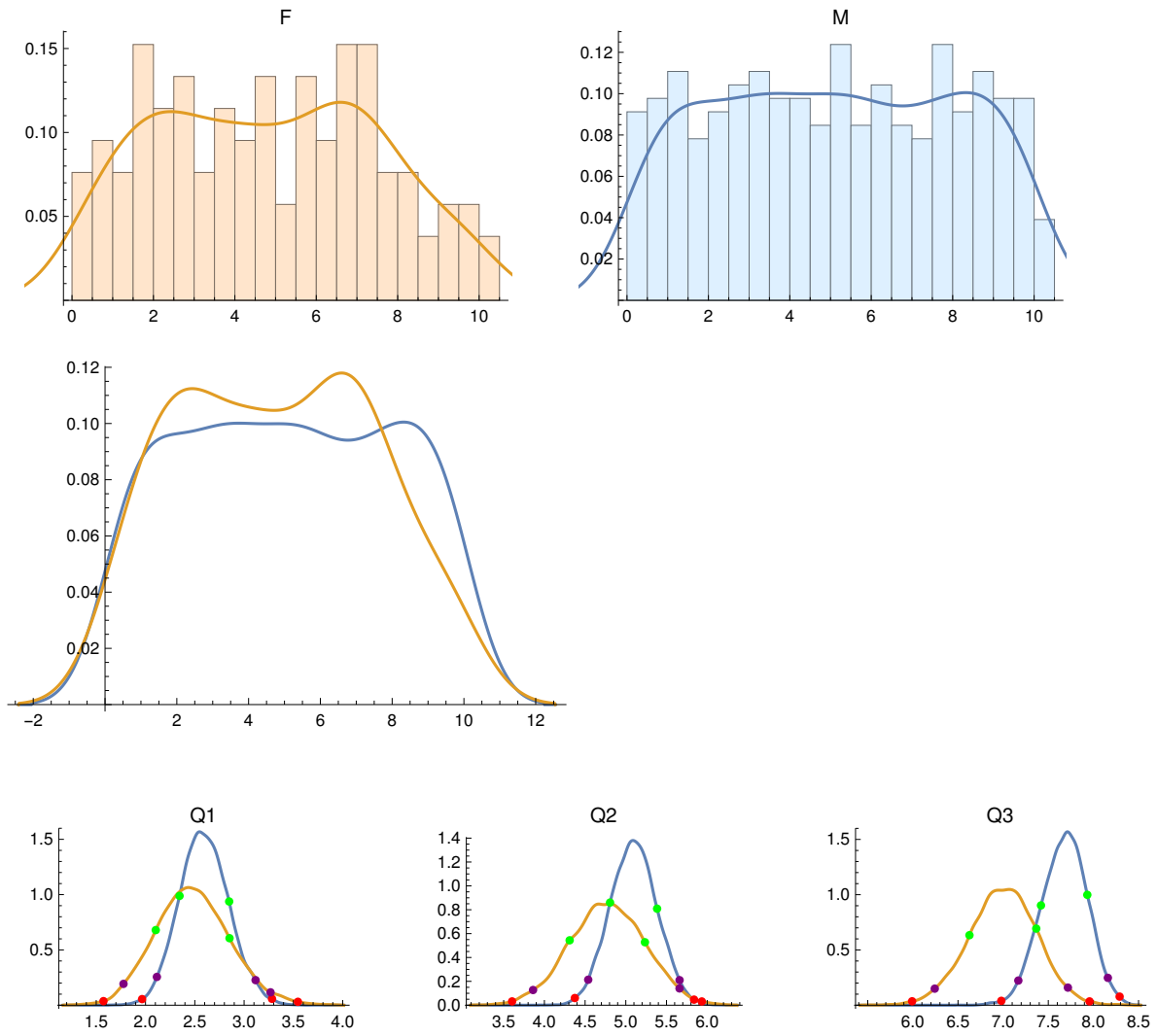
No. Female PIs = 105

No. Male PIs = 307

F PI Quartiles: {2.3375, 4.69, 6.985}

M PI Quartiles: {2.5525, 5.12, 7.7325}

Anderson-Darling two-sample test p-value: 0.344464



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.552	2.345 2.849	2.115 3.116	1.966 3.283
Quartile 2	5.12	4.806 5.384	4.538 5.661	4.374 5.838
Quartile 3	7.732	7.419 7.932	7.168 8.16	6.98 8.29

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.338	2.104 2.852	1.777 3.268	1.574 3.546
Quartile 2	4.69	4.31 5.235	3.861 5.66	3.603 5.934
Quartile 3	6.985	6.627 7.367	6.242 7.717	5.991 7.957

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.215	0.4583 -0.4535
Quartile 2	-0.43	0.5418 -0.5478
Quartile 3	-0.7475	0.45 -0.4508

{}

Cycle 13B: GBT, VLA, and VLBA

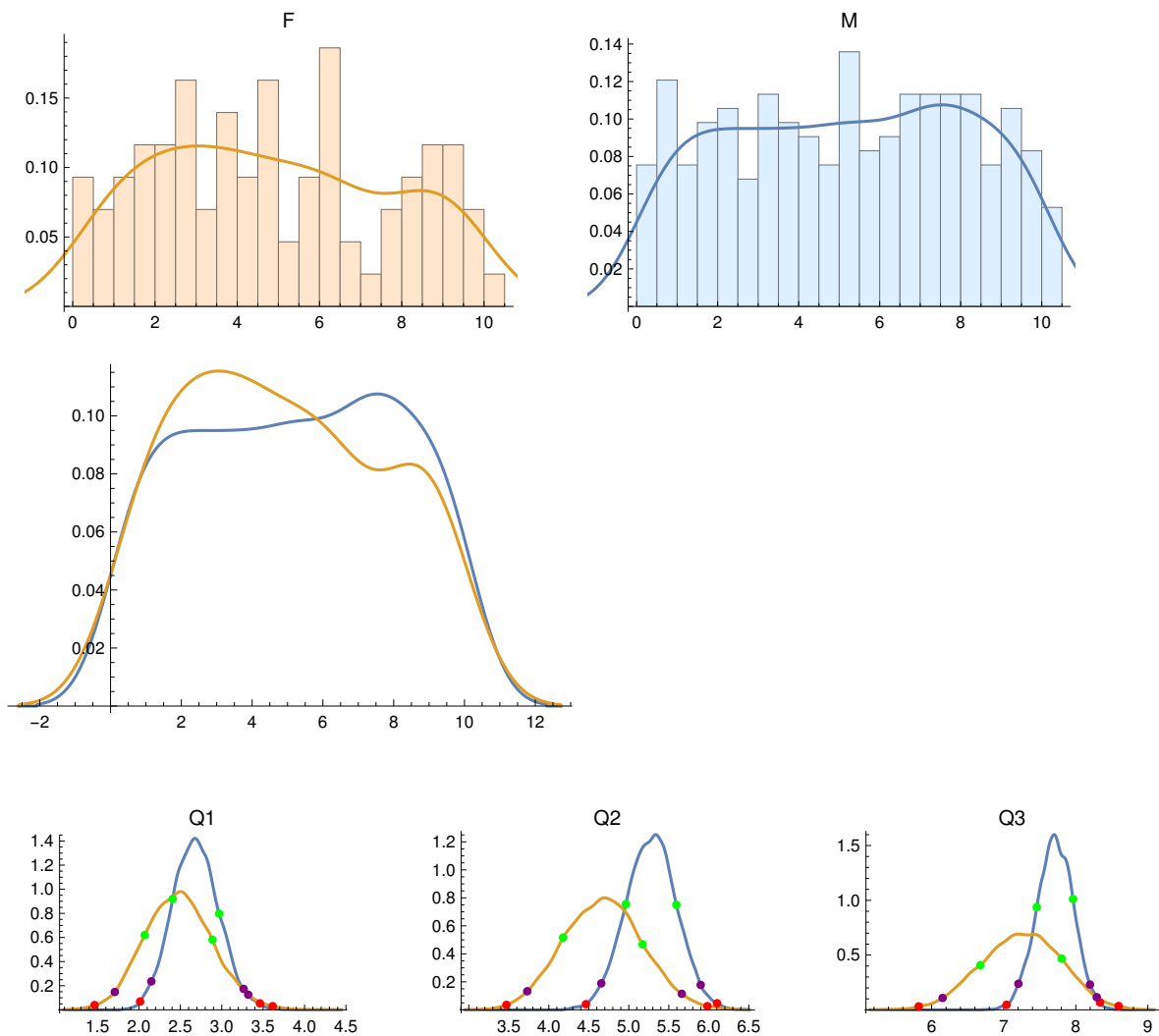
No. Female PIs = 86

No. Male PIs = 265

F PI Quartiles: {2.56, 4.65, 7.17}

M PI Quartiles: {2.635, 5.29, 7.75}

Anderson-Darling two-sample test p-value: 0.559528



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.635	2.407 2.969	2.149 3.264	2.014 3.461
Quartile 2	5.29	4.962 5.595	4.656 5.899	4.464 6.103
Quartile 3	7.75	7.459 7.961	7.204 8.197	7.039 8.336

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.56	2.069 2.888	1.708 3.32	1.464 3.615
Quartile 2	4.65	4.177 5.172	3.731 5.662	3.47 5.983
Quartile 3	7.17	6.677 7.804	6.152 8.291	5.821 8.594

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.075	0.4934 -0.4955
Quartile 2	-0.64	0.5876 -0.5902
Quartile 3	-0.58	0.6095 -0.6137

{}

Cycle 14A: GBT, VLA, and VLBA

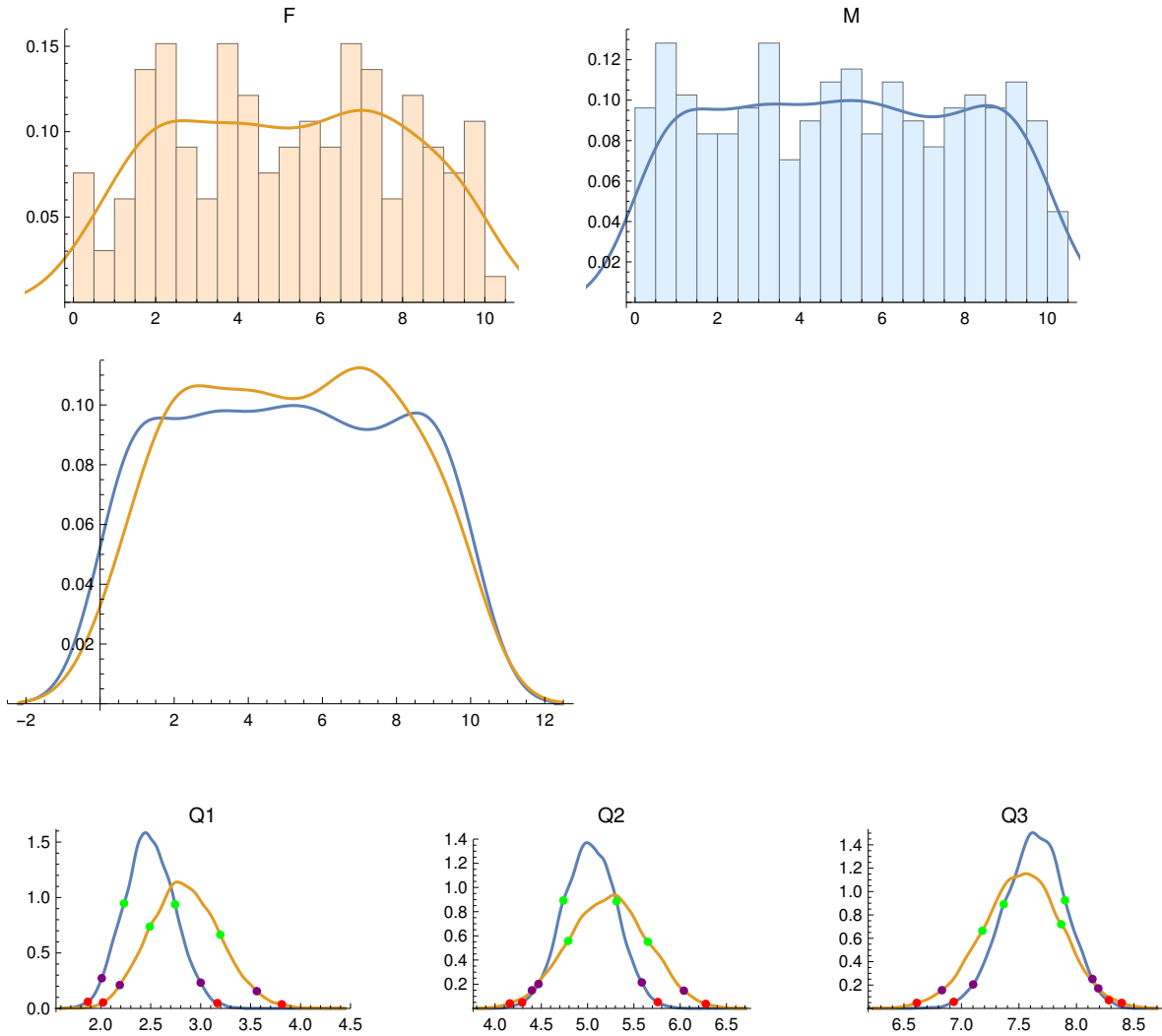
No. Female PIs = 132

No. Male PIs = 312

F PI Quartiles: {2.66, 5.245, 7.38}

M PI Quartiles: {2.575, 5.04, 7.66}

Anderson-Darling two-sample test p-value: 0.505682



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.575	2.233 2.744	2.01 3.	1.87 3.167
Quartile 2	5.04	4.739 5.312	4.469 5.586	4.293 5.758
Quartile 3	7.66	7.367 7.9	7.102 8.139	6.932 8.282

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.66	2.49 3.197	2.191 3.562	2.023 3.812
Quartile 2	5.245	4.79 5.652	4.398 6.04	4.16 6.276
Quartile 3	7.38	7.182 7.867	6.83 8.19	6.612 8.393

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.085	0.4309 -0.4288
Quartile 2	0.205	0.5096 -0.515
Quartile 3	-0.28	0.4328 -0.4304

{}

Cycle 14B: GBT, VLA, and VLBA

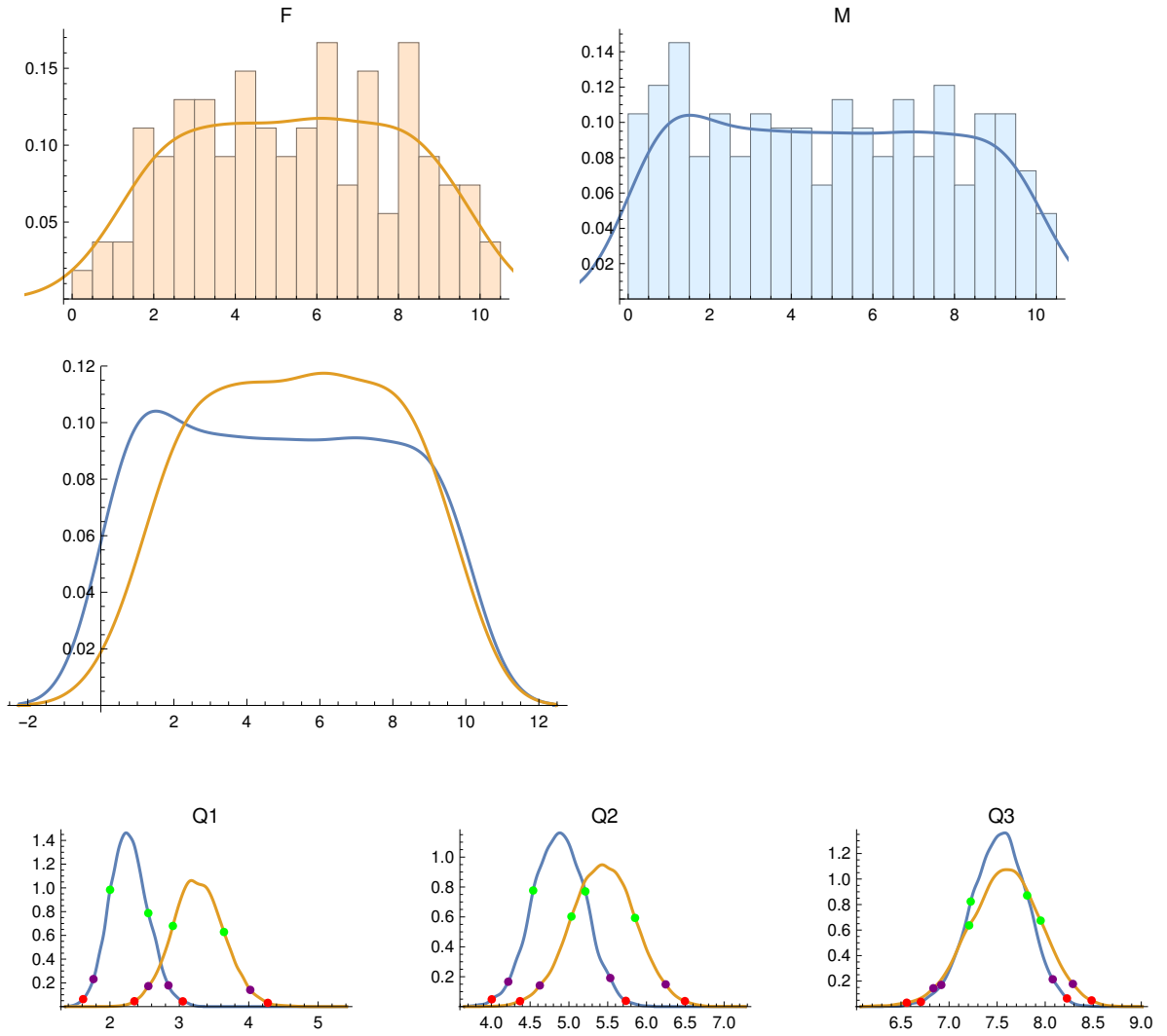
No. Female PIs = 108

No. Male PIs = 248

F PI Quartiles: {3.24, 5.495, 7.52}

M PI Quartiles: {2.22, 4.93, 7.56}

Anderson-Darling two-sample test p-value: 0.0490073



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.22	2.002 2.553	1.762 2.843	1.614 3.05
Quartile 2	4.93	4.539 5.211	4.218 5.533	4.005 5.734
Quartile 3	7.56	7.225 7.812	6.919 8.078	6.707 8.227

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.24	2.906 3.643	2.553 4.022	2.353 4.275
Quartile 2	5.495	5.032 5.852	4.625 6.247	4.37 6.495
Quartile 3	7.52	7.209 7.953	6.837 8.288	6.559 8.483

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.02	0.4592 -0.4675
Quartile 2	0.565	0.5317 -0.5324
Quartile 3	-0.04	0.4749 -0.4675

{}

Cycle 15A: GBT, VLA, and VLBA

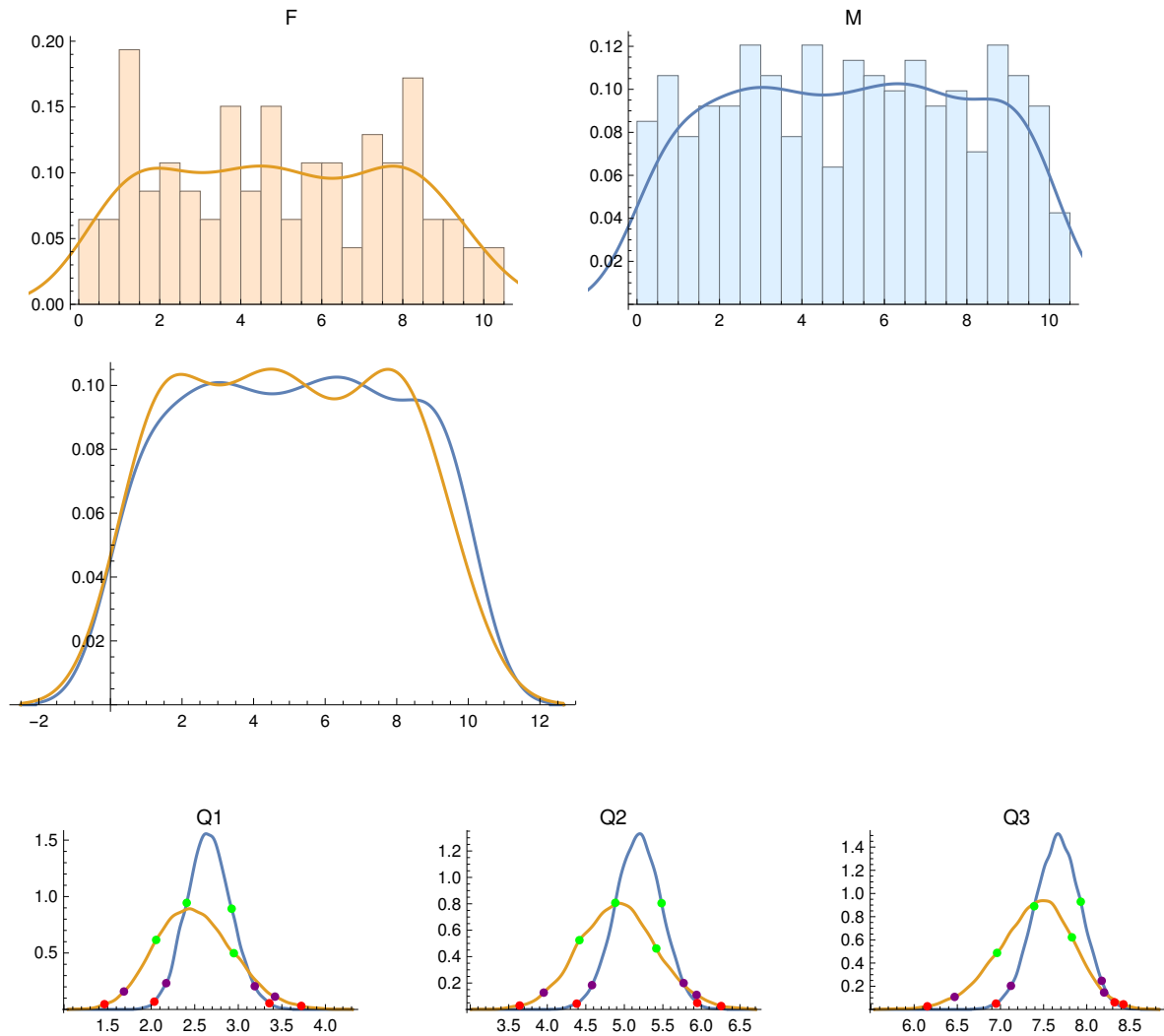
No. Female PIs = 93

No. Male PIs = 282

F PI Quartiles: {2.425, 4.78, 7.5275}

M PI Quartiles: {2.69, 5.225, 7.62}

Anderson-Darling two-sample test p-value: 0.731496



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.69	2.408 2.924	2.173 3.189	2.036 3.357
Quartile 2	5.225	4.883 5.483	4.58 5.769	4.382 5.946
Quartile 3	7.62	7.391 7.931	7.121 8.173	6.949 8.322

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.425	2.057 2.949	1.687 3.421	1.464 3.723
Quartile 2	4.78	4.417 5.415	3.954 5.937	3.641 6.256
Quartile 3	7.528	6.961 7.828	6.469 8.201	6.153 8.425

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.265	0.5149 -0.5119
Quartile 2	-0.445	0.587 -0.5846
Quartile 3	-0.0925	0.5028 -0.5093

{}

Cycle 15B: GBT, VLA, and VLBA

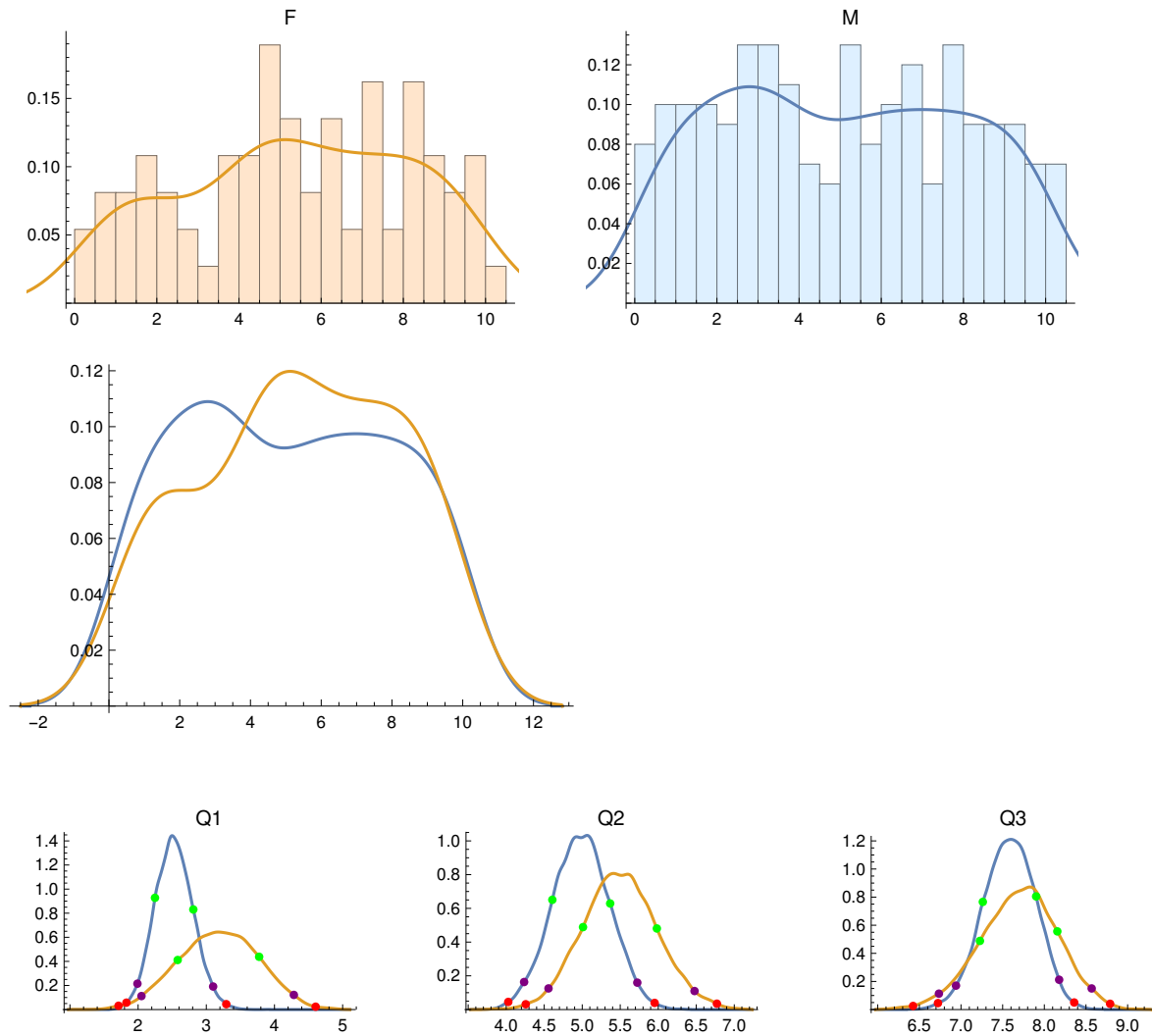
No. Female PIs = 74

No. Male PIs = 200

F PI Quartiles: {3.54, 5.4, 7.86}

M PI Quartiles: {2.5, 5.075, 7.595}

Anderson-Darling two-sample test p-value: 0.539663



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.247 2.81	1.99 3.1	1.828 3.293
Quartile 2	5.075	4.607 5.368	4.236 5.725	4.027 5.953
Quartile 3	7.595	7.262 7.902	6.94 8.178	6.724 8.359

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.54	2.58 3.775	2.049 4.284	1.713 4.604
Quartile 2	5.4	5.01 5.982	4.556 6.478	4.257 6.772
Quartile 3	7.86	7.227 8.156	6.735 8.568	6.425 8.79

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.04	0.658 -0.6581
Quartile 2	0.325	0.6107 -0.6137
Quartile 3	0.265	0.5654 -0.5697

{}

Cycle 16A: GBT, VLA, and VLBA

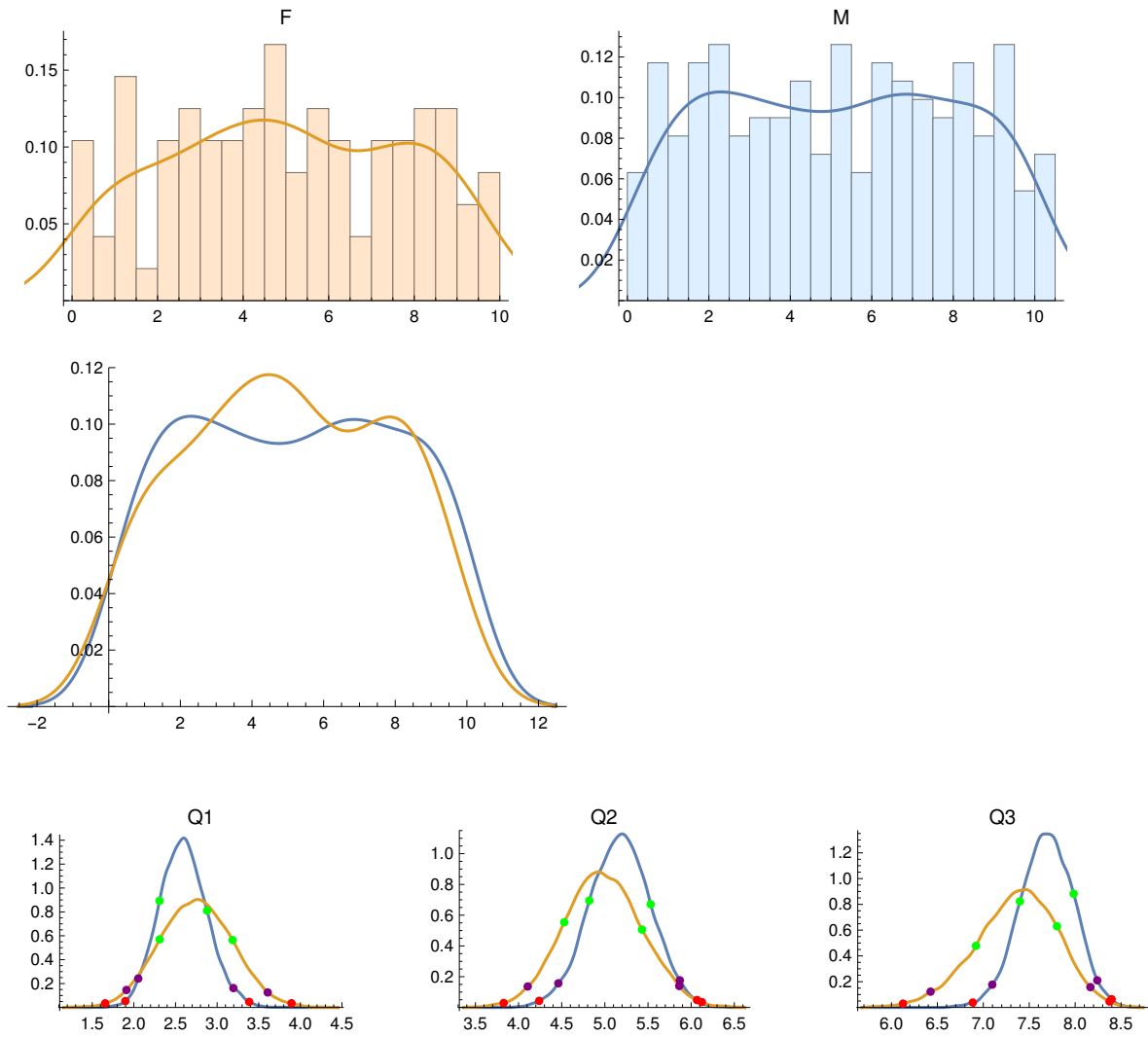
No. Female PIs = 96

No. Male PIs = 222

F PI Quartiles: {2.93, 4.9, 7.495}

M PI Quartiles: {2.46, 5.17, 7.67}

Anderson-Darling two-sample test p-value: 0.652991



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.46	2.308 2.879	2.053 3.195	1.898 3.385
Quartile 2	5.17	4.82 5.531	4.461 5.869	4.239 6.068
Quartile 3	7.67	7.399 7.984	7.097 8.241	6.885 8.397

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.93	2.309 3.186	1.911 3.608	1.655 3.894
Quartile 2	4.9	4.529 5.43	4.106 5.862	3.828 6.124
Quartile 3	7.495	6.92 7.802	6.426 8.166	6.125 8.374

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.47	0.5196 -0.5128
Quartile 2	-0.27	0.5725 -0.5684
Quartile 3	-0.175	0.5279 -0.5314

{}

Cycle 16B: GBT, VLA, and VLBA

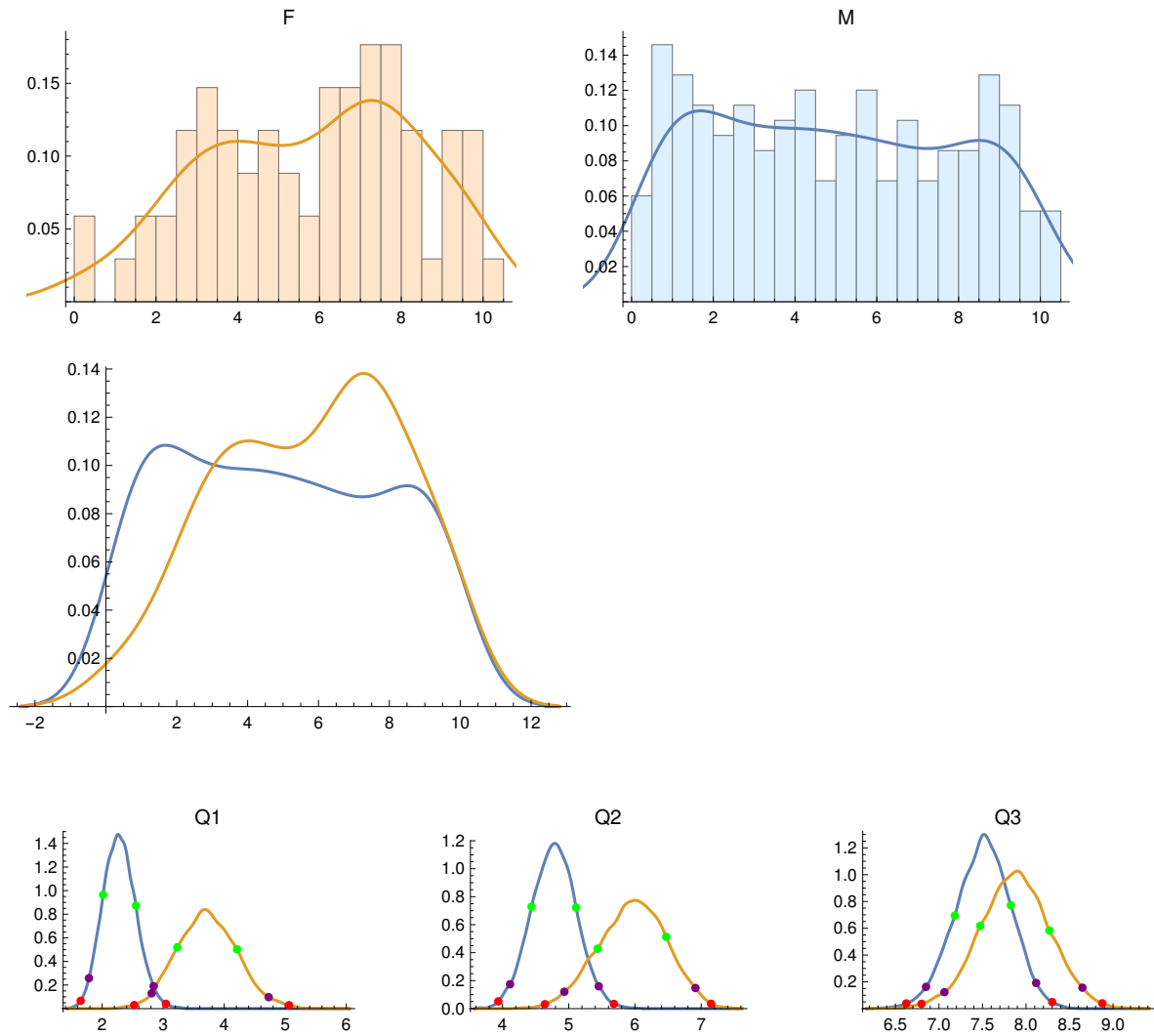
No. Female PIs = 68

No. Male PIs = 233

F PI Quartiles: {3.69, 6.16, 7.69}

M PI Quartiles: {2.2075, 4.74, 7.5225}

Anderson-Darling two-sample test p-value: 0.0187326



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.208	2.016 2.554	1.785 2.844	1.649 3.044
Quartile 2	4.74	4.437 5.112	4.113 5.453	3.937 5.682
Quartile 3	7.522	7.182 7.826	6.851 8.116	6.625 8.301

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.69	3.231 4.211	2.812 4.728	2.525 5.062
Quartile 2	6.16	5.436 6.472	4.934 6.914	4.64 7.15
Quartile 3	7.69	7.474 8.268	7.063 8.648	6.799 8.877

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.4825	0.5581 -0.5649
Quartile 2	1.42	0.6089 -0.6207
Quartile 3	0.1675	0.5059 -0.5091

{}

Cycle 17A: GBT, VLA, and VLBA

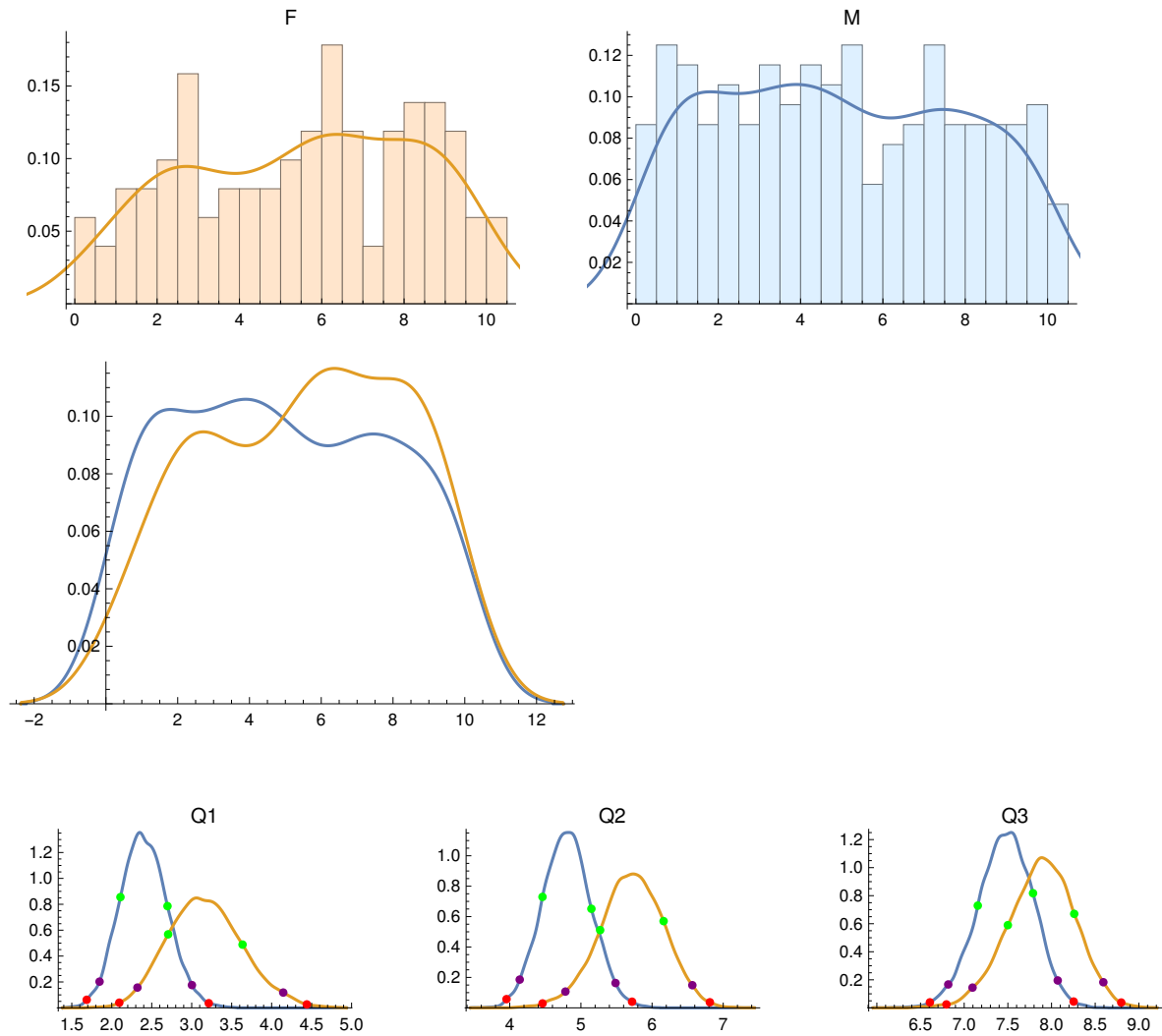
No. Female PIs = 101

No. Male PIs = 208

F PI Quartiles: {2.905, 5.82, 8.}

M PI Quartiles: {2.335, 4.755, 7.44}

Anderson-Darling two-sample test p-value: 0.123437



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.335	2.109 2.697	1.847 3.003	1.687 3.214
Quartile 2	4.755	4.46 5.147	4.14 5.487	3.955 5.719
Quartile 3	7.44	7.156 7.788	6.817 8.071	6.607 8.253

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.905	2.706 3.636	2.321 4.145	2.094 4.44
Quartile 2	5.82	5.27 6.162	4.782 6.566	4.461 6.812
Quartile 3	8.	7.5 8.26	7.095 8.593	6.797 8.798

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.57	0.5475 -0.5508
Quartile 2	1.065	0.5673 -0.5683
Quartile 3	0.56	0.4925 -0.4995

{}

Cycle 17B: GBT, VLA, and VLBA

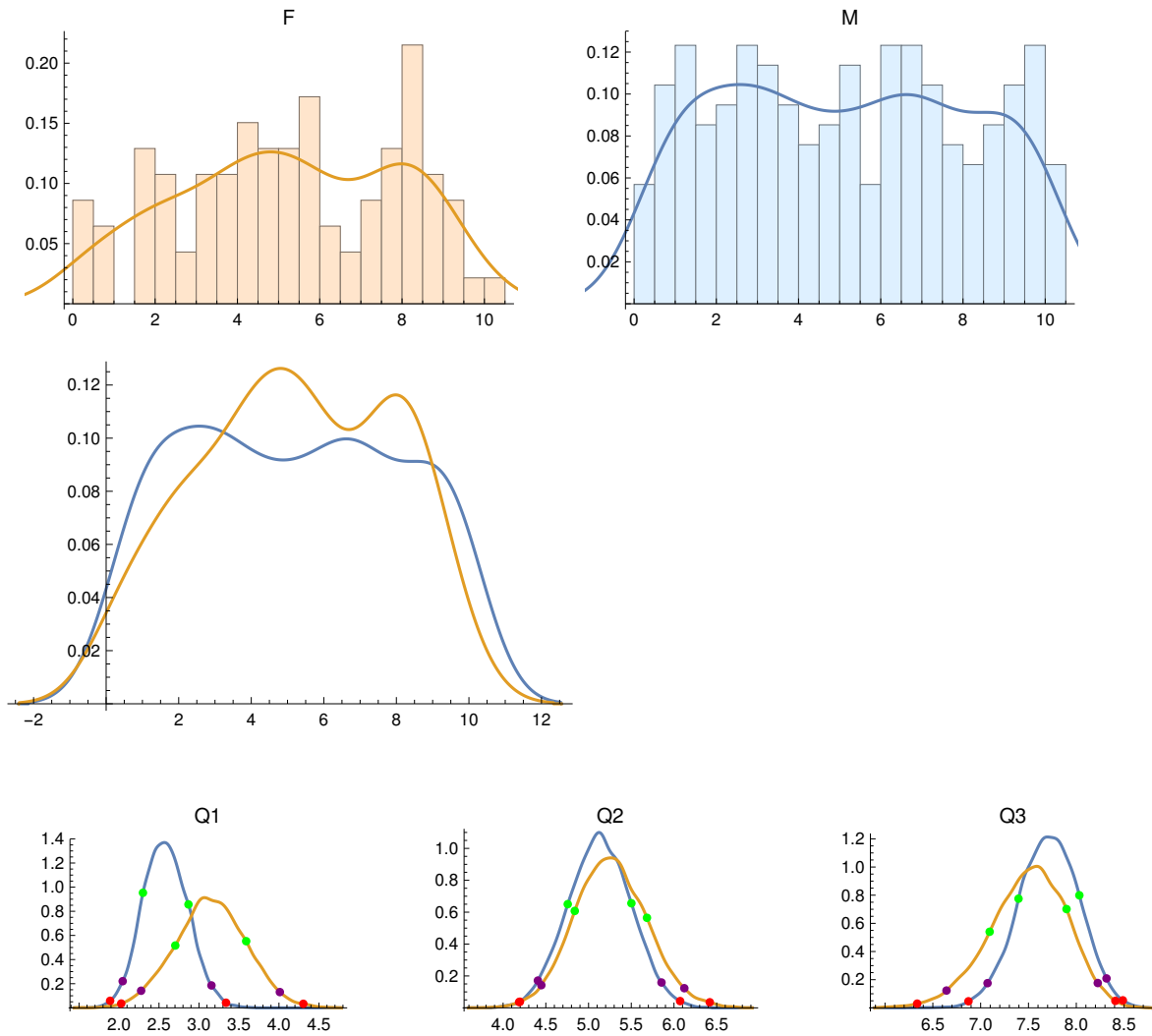
No. Female PIs = 93

No. Male PIs = 211

F PI Quartiles: {3.23, 5.37, 7.705}

M PI Quartiles: {2.5975, 5.07, 7.5975}

Anderson-Darling two-sample test p-value: 0.250589



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.598	2.299 2.868	2.046 3.156	1.889 3.338
Quartile 2	5.07	4.757 5.501	4.407 5.854	4.197 6.072
Quartile 3	7.598	7.396 8.032	7.072 8.316	6.873 8.487

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.23	2.704 3.59	2.276 4.011	2.028 4.305
Quartile 2	5.37	4.839 5.684	4.447 6.121	4.188 6.419
Quartile 3	7.705	7.094 7.898	6.643 8.224	6.337 8.409

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.6325	0.5235 -0.5248
Quartile 2	0.3	0.5599 -0.5549
Quartile 3	0.1075	0.5188 -0.5134

{}

Cycle 18A: GBT, VLA, and VLBA

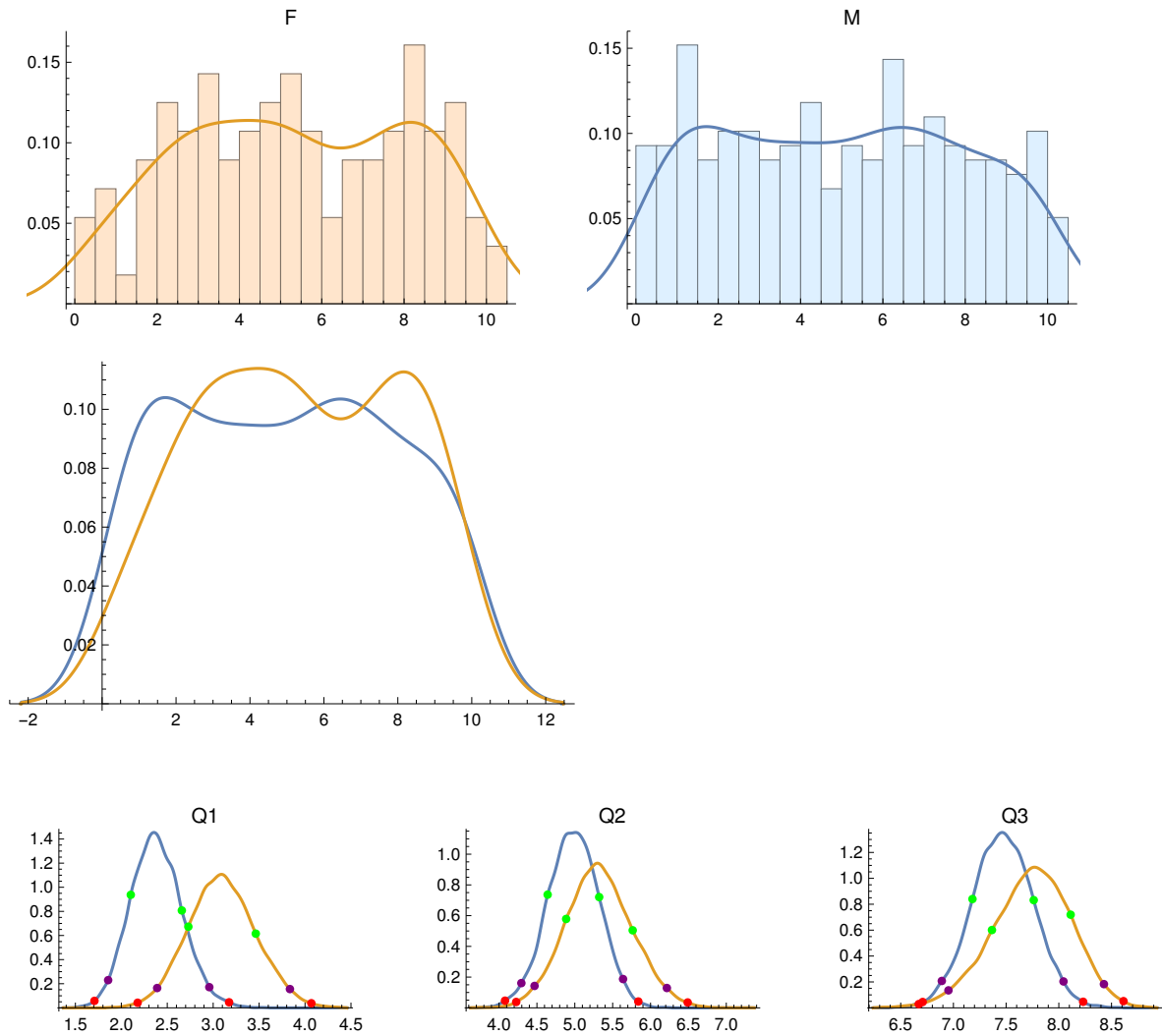
No. Female PIs = 112

No. Male PIs = 237

F PI Quartiles: {3.095, 5.235, 7.89}

M PI Quartiles: {2.4, 5., 7.4225}

Anderson-Darling two-sample test p-value: 0.221908



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.4	2.103 2.659	1.857 2.958	1.707 3.173
Quartile 2	5.	4.641 5.322	4.295 5.637	4.079 5.838
Quartile 3	7.422	7.181 7.762	6.89 8.044	6.708 8.231

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.095	2.73 3.464	2.39 3.835	2.177 4.069
Quartile 2	5.235	4.886 5.764	4.468 6.215	4.226 6.49
Quartile 3	7.89	7.366 8.112	6.953 8.428	6.671 8.614

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.695	0.4604 -0.4648
Quartile 2	0.235	0.5517 -0.5551
Quartile 3	0.4675	0.4735 -0.4767

{}

Cycle 18B: GBT, VLA, and VLBA

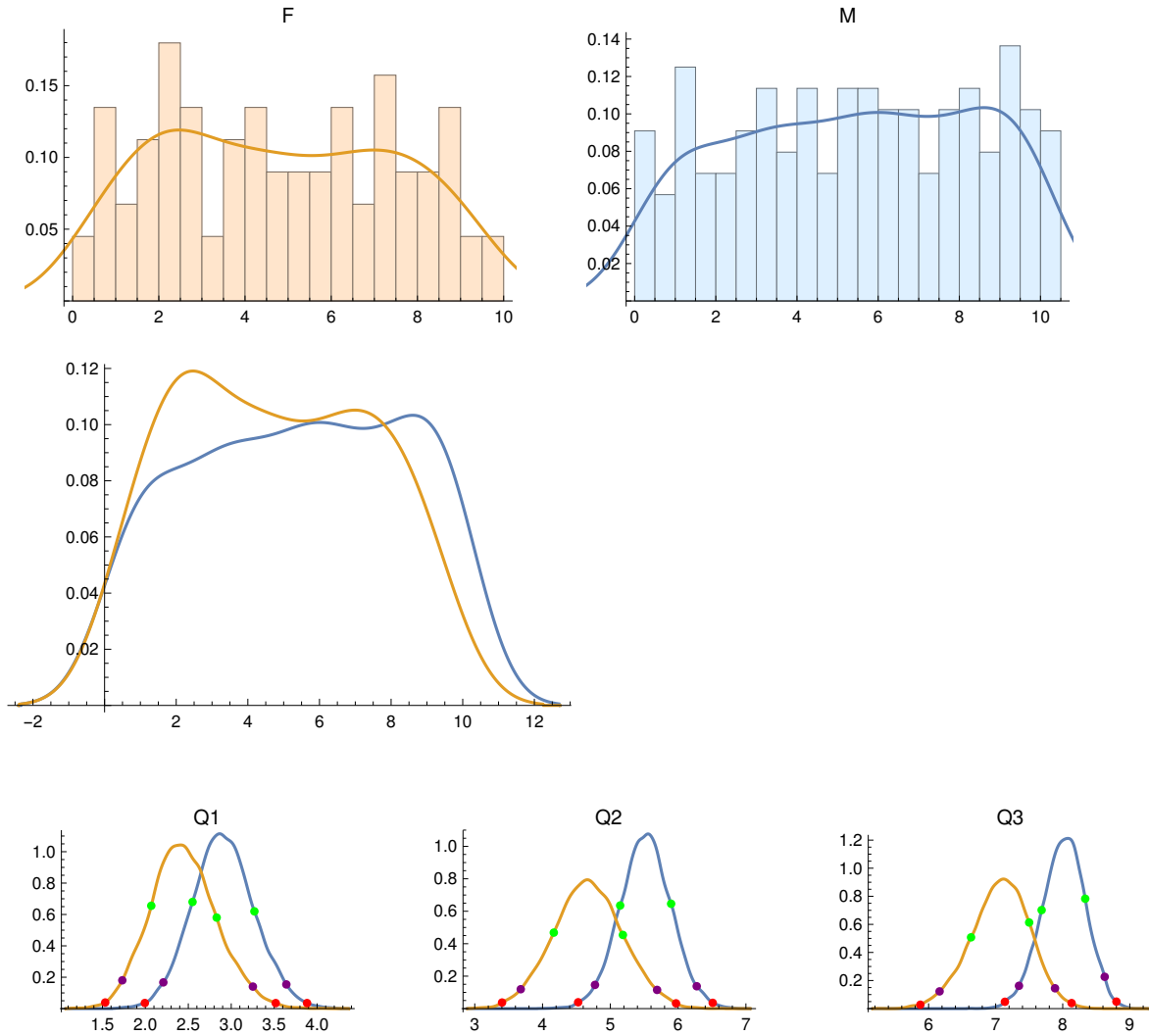
No. Female PIs = 89

No. Male PIs = 176

F PI Quartiles: {2.315, 4.71, 7.03}

M PI Quartiles: {2.995, 5.545, 8.03}

Anderson-Darling two-sample test p-value: 0.0641256



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.995	2.549 3.27	2.209 3.642	1.994 3.883
Quartile 2	5.545	5.145 5.897	4.773 6.274	4.525 6.51
Quartile 3	8.03	7.686 8.336	7.348 8.626	7.138 8.801

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.315	2.069 2.831	1.731 3.252	1.532 3.518
Quartile 2	4.71	4.166 5.185	3.679 5.69	3.403 5.969
Quartile 3	7.03	6.633 7.5	6.164 7.885	5.877 8.133

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.68	0.5218 -0.5226
Quartile 2	-0.835	0.6345 -0.6356
Quartile 3	-1.	0.5437 -0.5484

{}

Cycle 19A: GBT, VLA, and VLBA

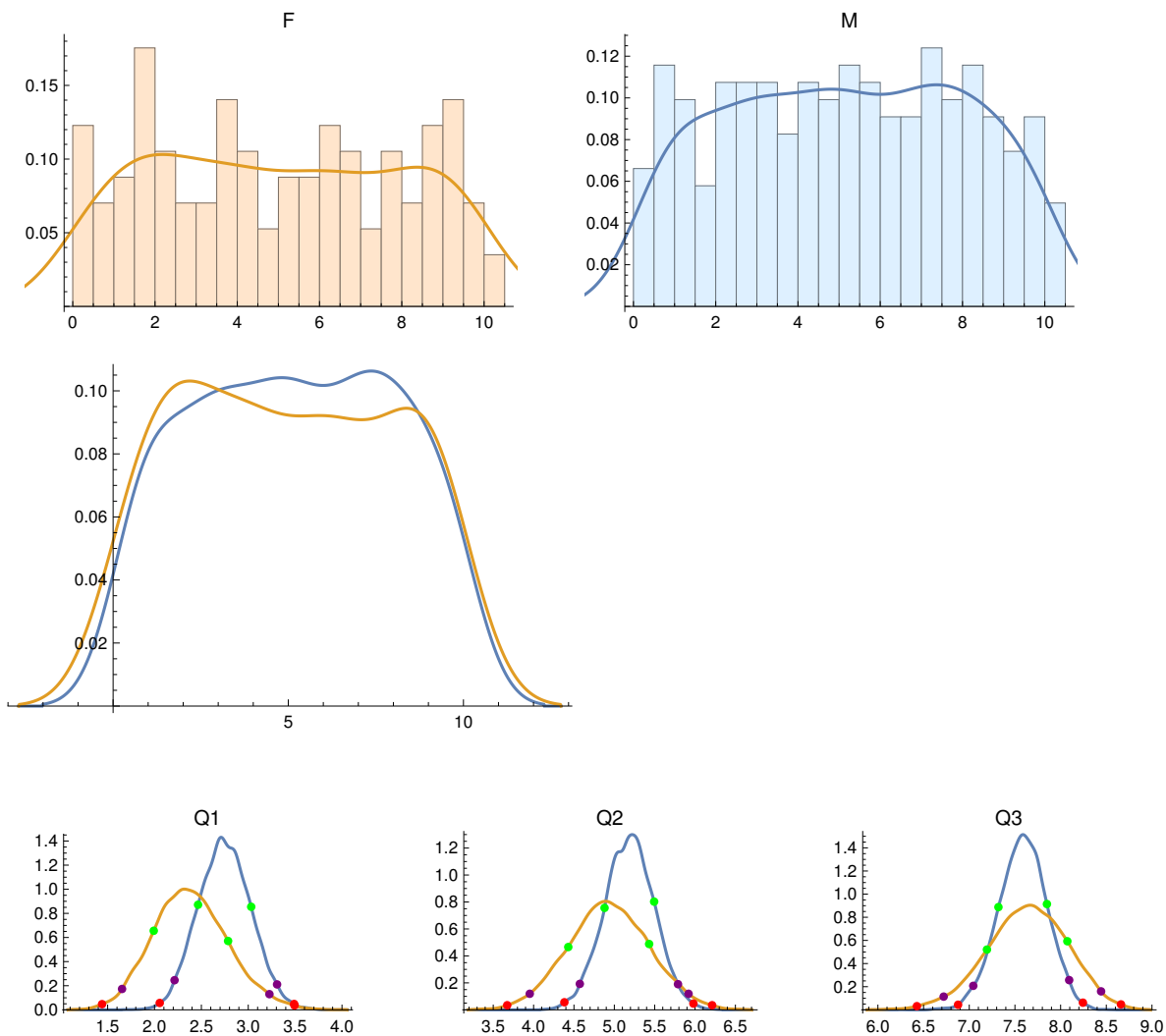
No. Female PIs = 114

No. Male PIs = 242

F PI Quartiles: {2.3, 4.895, 7.73}

M PI Quartiles: {2.77, 5.115, 7.56}

Anderson-Darling two-sample test p-value: 0.72903



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.77	2.465 3.031	2.214 3.307	2.056 3.489
Quartile 2	5.115	4.879 5.493	4.573 5.789	4.381 5.98
Quartile 3	7.56	7.319 7.85	7.044 8.094	6.878 8.244

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.3	1.992 2.785	1.654 3.226	1.44 3.493
Quartile 2	4.895	4.429 5.431	3.952 5.919	3.673 6.212
Quartile 3	7.73	7.194 8.074	6.72 8.443	6.427 8.661

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.47	0.4934 -0.4864
Quartile 2	-0.22	0.5909 -0.5792
Quartile 3	0.17	0.5059 -0.5083

{}

Cycle 19B: GBT, VLA, and VLBA

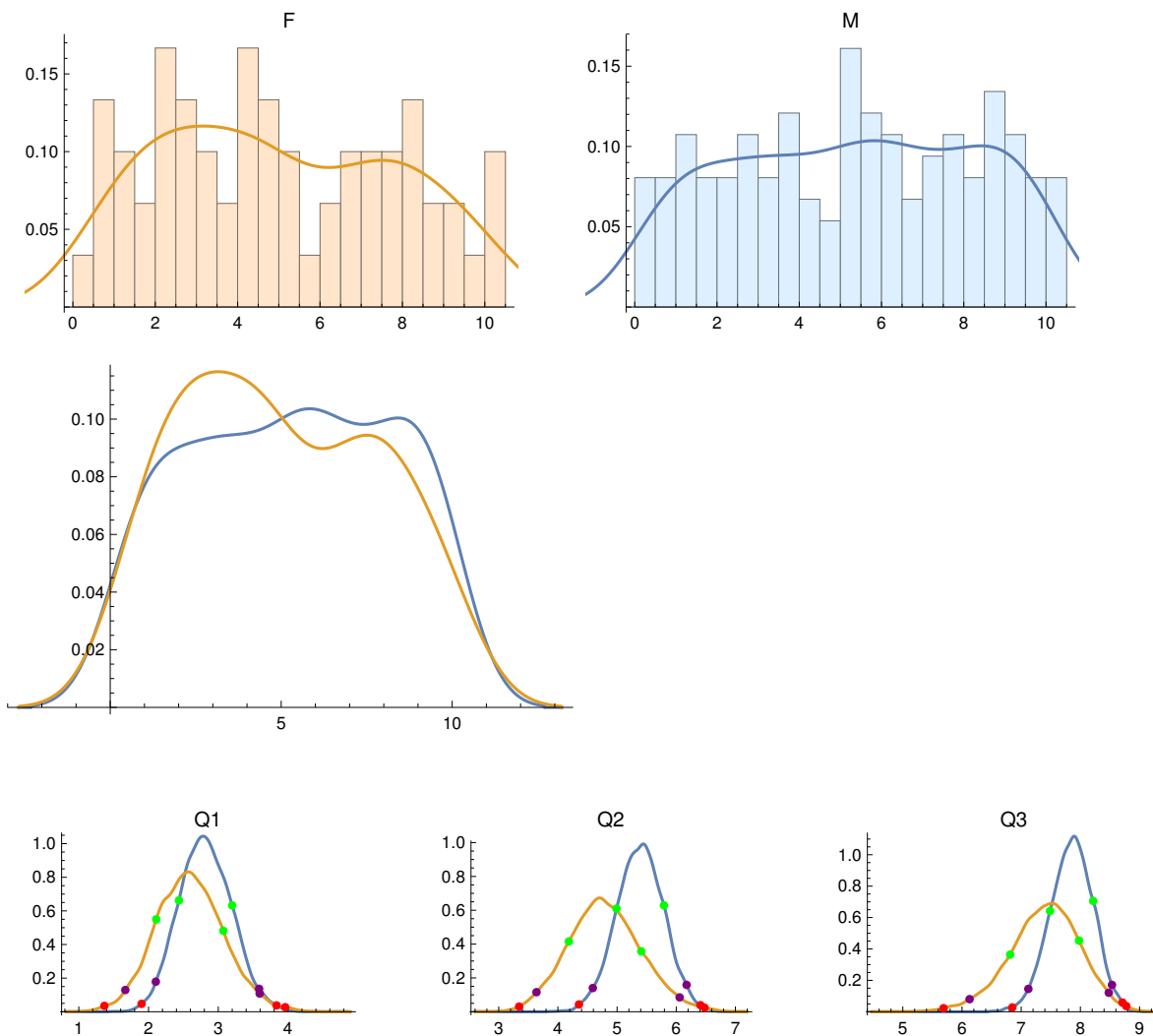
No. Female PIs = 60

No. Male PIs = 149

F PI Quartiles: {2.515, 4.675, 7.485}

M PI Quartiles: {2.86, 5.45, 7.875}

Anderson-Darling two-sample test p-value: 0.709266



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.86	2.436 3.2	2.104 3.586	1.9 3.836
Quartile 2	5.45	4.991 5.793	4.59 6.175	4.356 6.41
Quartile 3	7.875	7.487 8.216	7.121 8.534	6.85 8.711

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.515	2.111 3.073	1.667 3.593	1.367 3.96
Quartile 2	4.675	4.184 5.409	3.639 6.057	3.345 6.478
Quartile 3	7.485	6.815 7.977	6.128 8.479	5.688 8.775

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.345	0.6146 -0.6152
Quartile 2	-0.775	0.7273 -0.7334
Quartile 3	-0.39	0.6967 -0.6918

{}

Cycle 20A: GBT, VLA, and VLBA

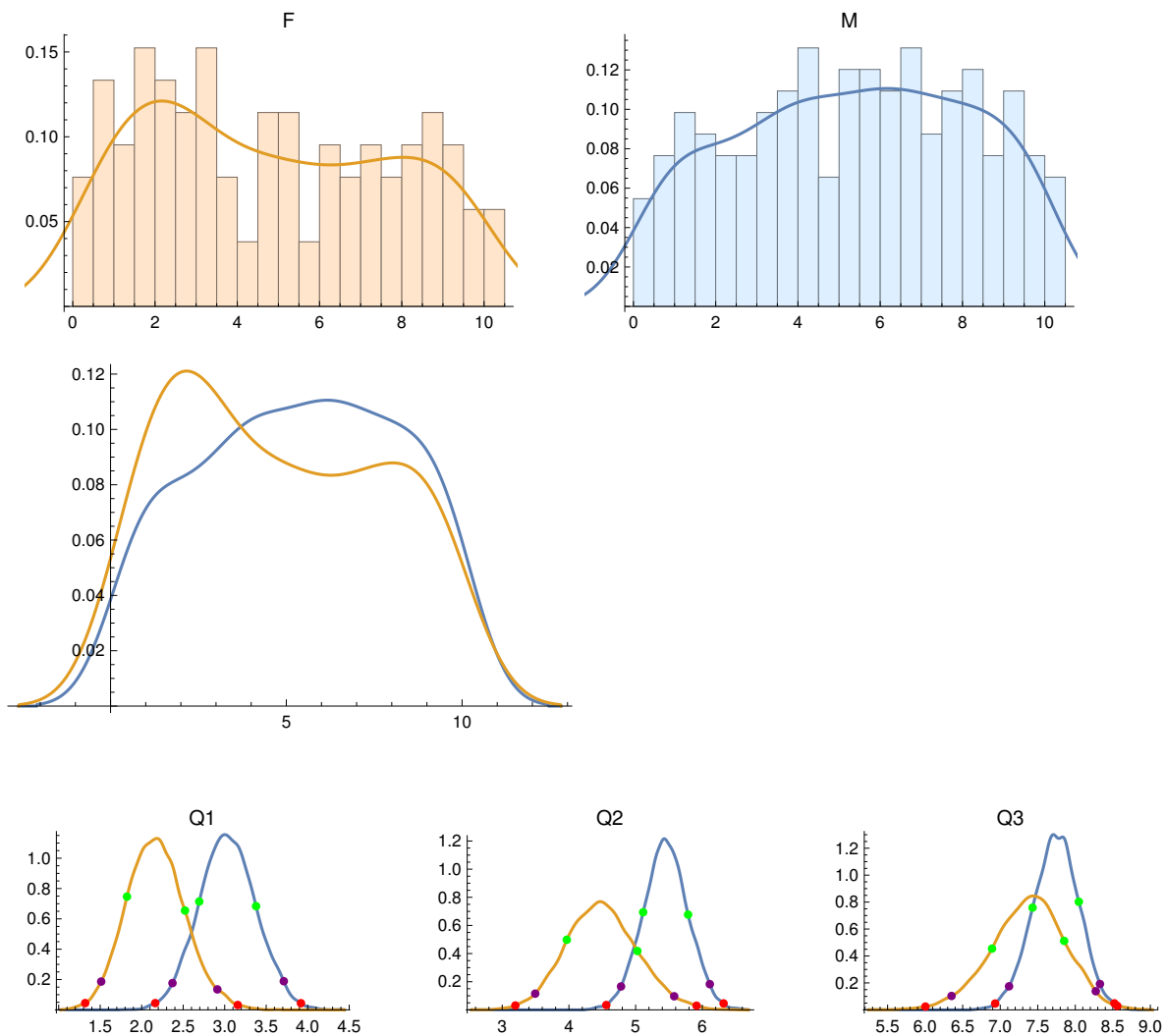
No. Female PIs = 105

No. Male PIs = 183

F PI Quartiles: {2.1, 4.62, 7.4025}

M PI Quartiles: {3.06, 5.5, 7.7425}

Anderson-Darling two-sample test p-value: 0.131124



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.06	2.694 3.378	2.371 3.712	2.163 3.919
Quartile 2	5.5	5.113 5.787	4.781 6.113	4.56 6.319
Quartile 3	7.742	7.431 8.047	7.118 8.329	6.933 8.521

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.1	1.823 2.522	1.512 2.912	1.319 3.157
Quartile 2	4.62	3.968 5.026	3.494 5.578	3.197 5.914
Quartile 3	7.402	6.891 7.852	6.352 8.273	6.004 8.559

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.96	0.4851 -0.4938
Quartile 2	-0.88	0.6173 -0.6218
Quartile 3	-0.34	0.5714 -0.5719

{}

Cycle 20B: GBT, VLA, and VLBA

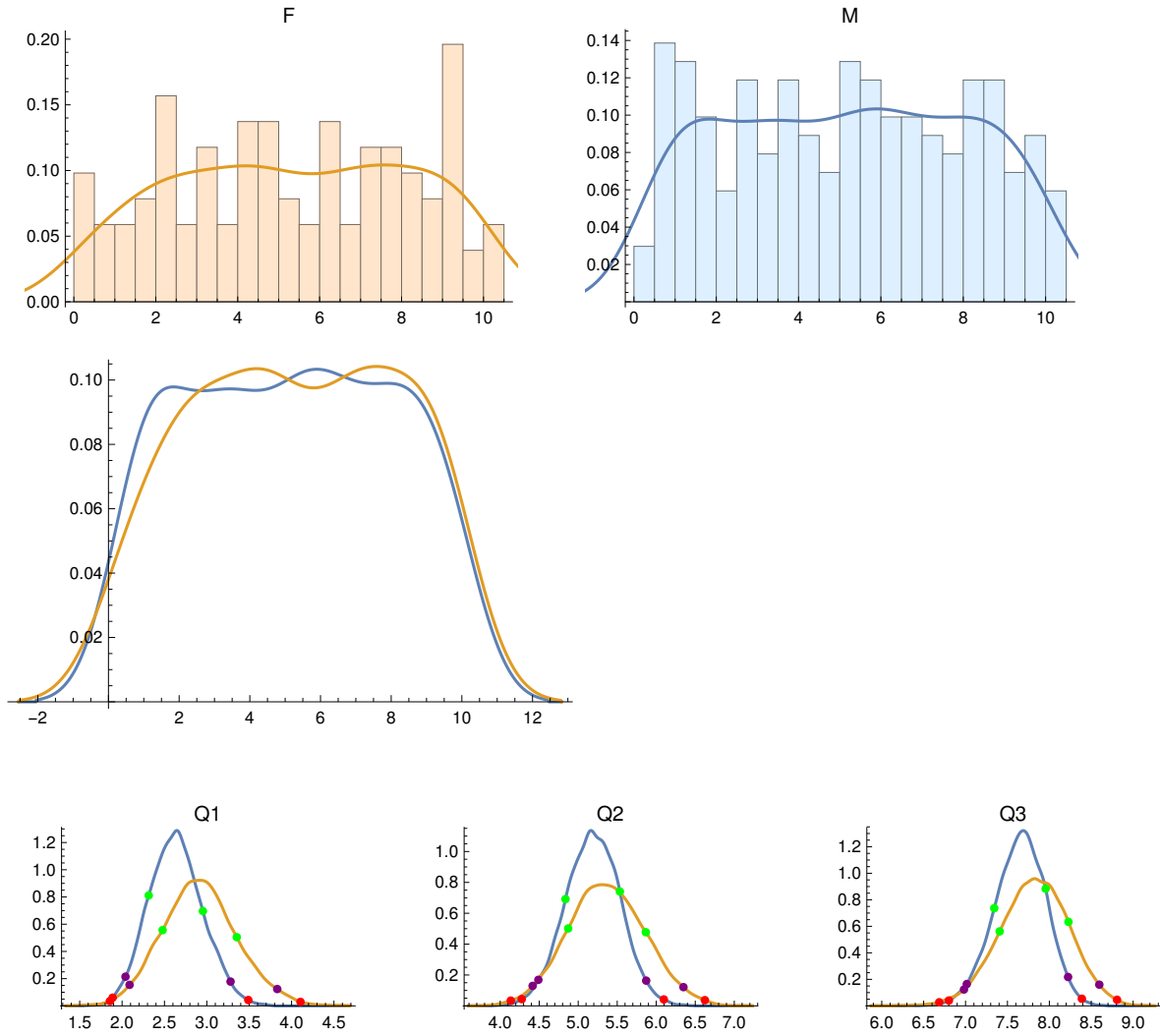
No. Female PIs = 102

No. Male PIs = 202

F PI Quartiles: {2.86, 5.15, 7.66}

M PI Quartiles: {2.73, 5.275, 7.73}

Anderson-Darling two-sample test p-value: 0.833198



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.314 2.953	2.04 3.28	1.889 3.489
Quartile 2	5.275	4.837 5.534	4.489 5.871	4.277 6.097
Quartile 3	7.73	7.343 7.956	7.015 8.224	6.801 8.388

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.86	2.478 3.353	2.088 3.831	1.856 4.105
Quartile 2	5.15	4.872 5.866	4.416 6.349	4.136 6.623
Quartile 3	7.66	7.407 8.228	6.981 8.596	6.686 8.808

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.13	0.5462 -0.5491
Quartile 2	-0.125	0.6004 -0.6117
Quartile 3	-0.07	0.5124 -0.5151

{}

Cycle 21A: GBT, VLA, and VLBA

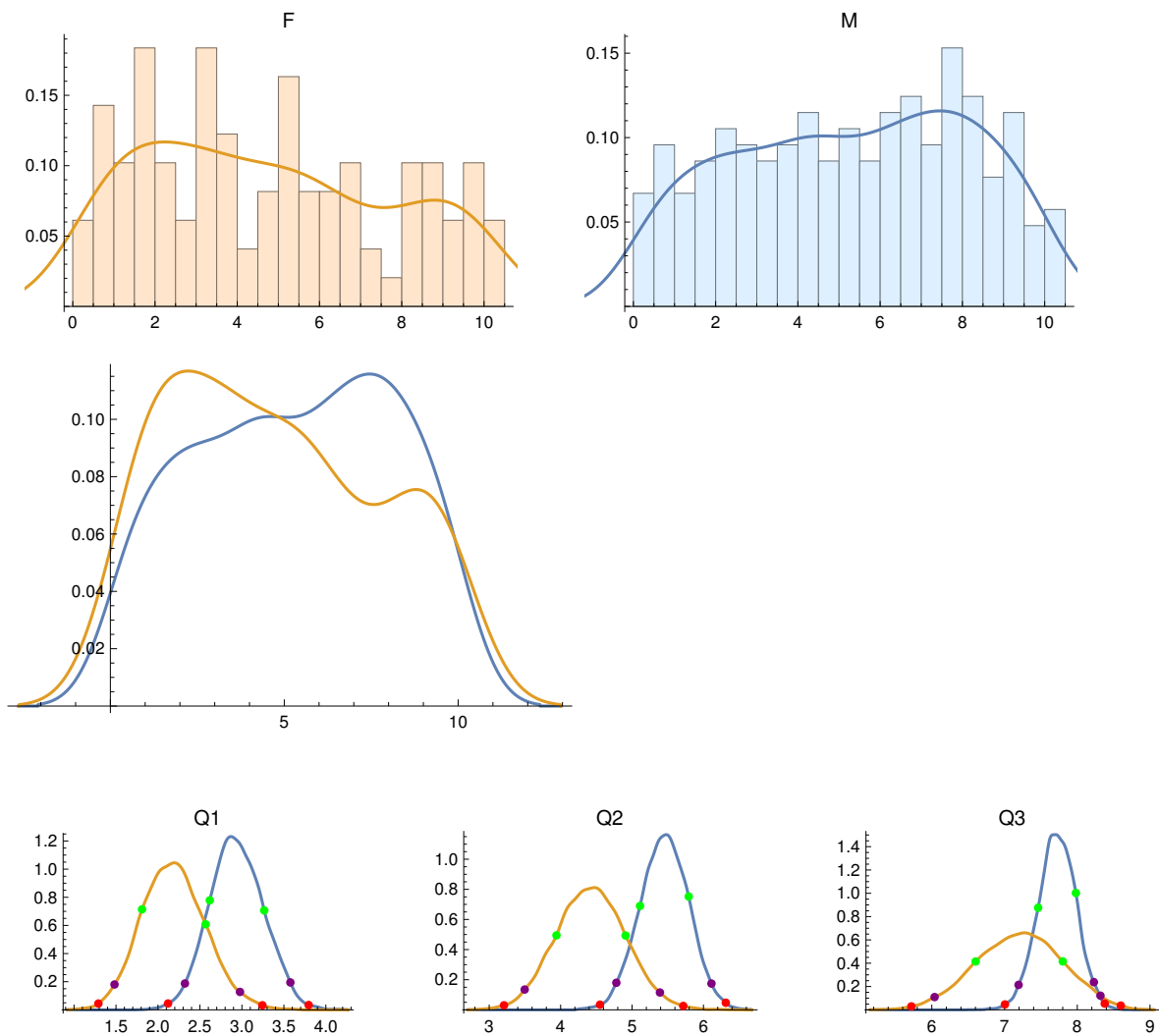
No. Female PIs = 98

No. Male PIs = 209

F PI Quartiles: {2.11, 4.465, 6.97}

M PI Quartiles: {2.87, 5.45, 7.72}

Anderson-Darling two-sample test p-value: 0.097334



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.87	2.617 3.266	2.321 3.577	2.12 3.795
Quartile 2	5.45	5.111 5.793	4.78 6.112	4.551 6.313
Quartile 3	7.72	7.462 7.981	7.193 8.229	7.005 8.377

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.11	1.81 2.568	1.482 2.977	1.291 3.244
Quartile 2	4.465	3.942 4.91	3.497 5.391	3.207 5.717
Quartile 3	6.97	6.603 7.8	6.038 8.319	5.719 8.599

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.76	0.4957 -0.4978
Quartile 2	-0.985	0.5951 -0.6
Quartile 3	-0.75	0.6478 -0.6518

{ }

Out[1]= NRAOGenderBiasTableThrough21A.xls

In[2]:= Length[tablines]

Out[2]= 97


```
In[3]:= nraocompearlycycles[]; hplte = hplt;
```

Cycles 12A-17A: GBT, VLA, and VLBA

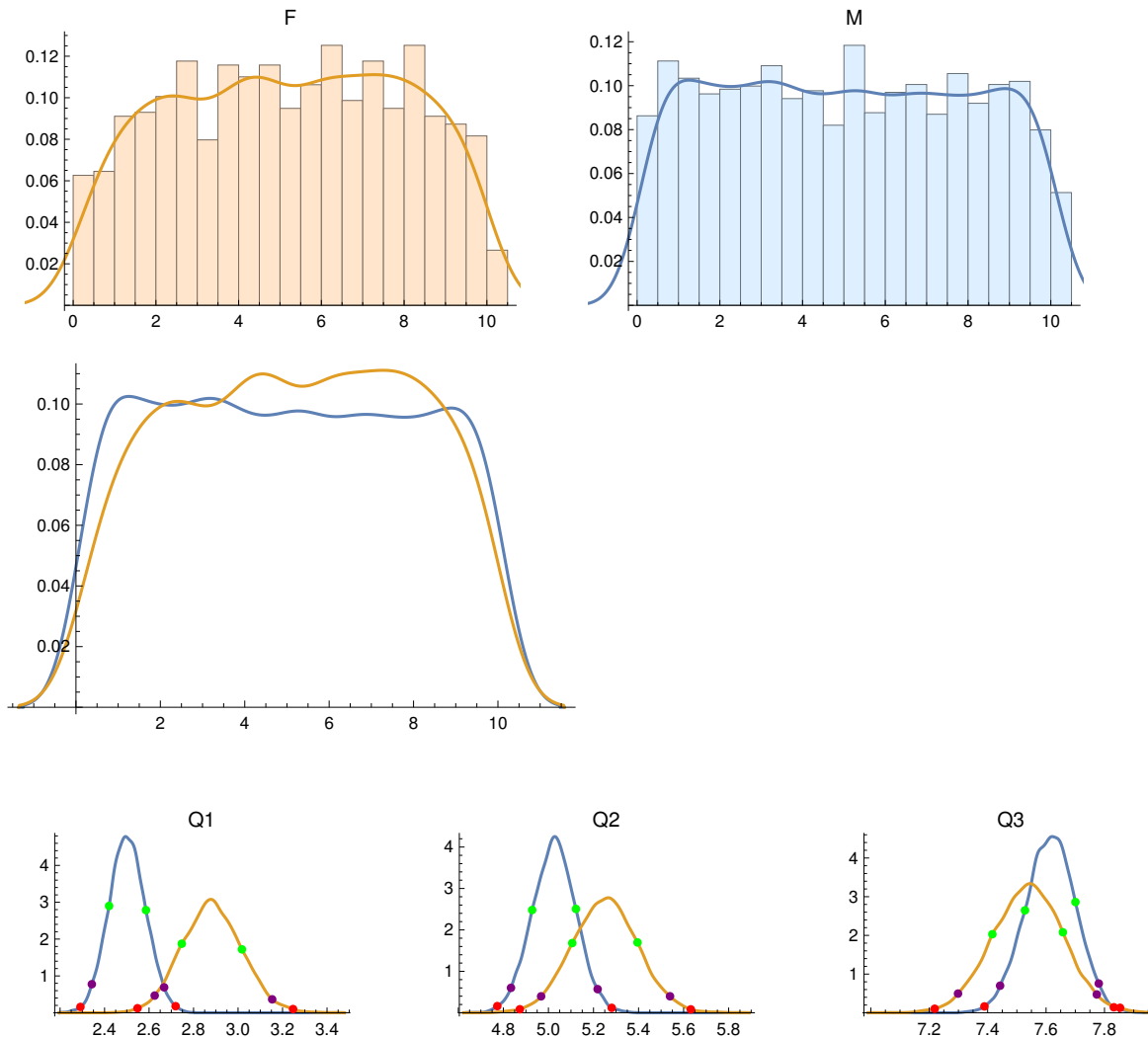
No. Female PIs = 1054

No. Male PIs = 2805

F PI Quartiles: {2.78, 5.25, 7.5}

M PI Quartiles: {2.5, 5.07, 7.61}

Anderson-Darling two-sample test p-value: 0.008365



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.42 2.586	2.343 2.668	2.291 2.719
Quartile 2	5.07	4.928 5.122	4.834 5.218	4.773 5.281
Quartile 3	7.61	7.528 7.701	7.443 7.78	7.389 7.832

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.78	2.747 3.018	2.625 3.153	2.548 3.247
Quartile 2	5.25	5.106 5.395	4.968 5.54	4.873 5.632
Quartile 3	7.5	7.416 7.658	7.299 7.774	7.219 7.853

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.28	0.1585 -0.1593
Quartile 2	0.18	0.174 -0.1731
Quartile 3	-0.11	0.1485 -0.1504

```
{}
```

```
ln[4]:= nraocomplatercycles[]; hpltl = hplt;
```

Cycles 17B-21A: GBT, VLA, and VLBA

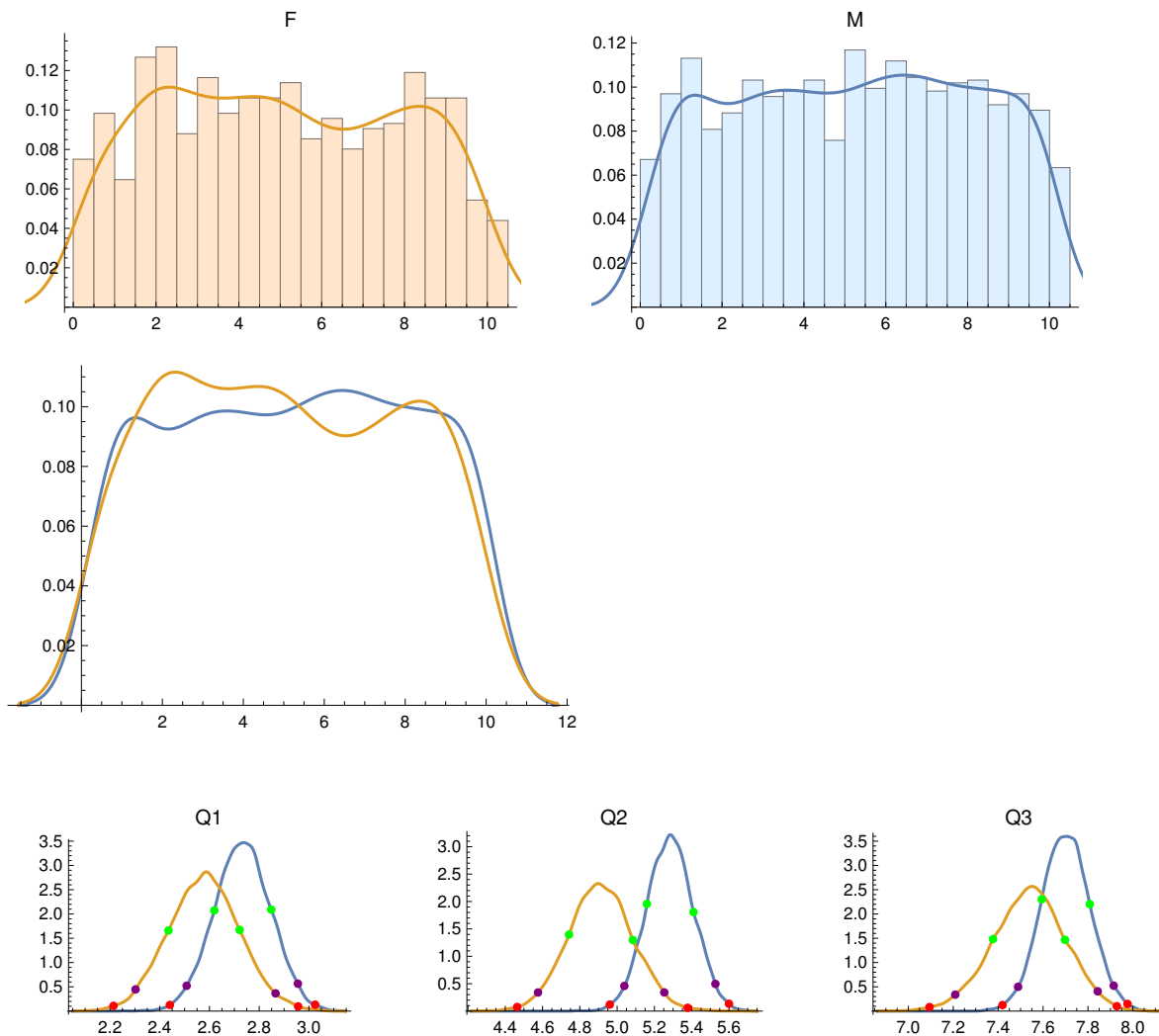
No. Female PIs = 773

No. Male PIs = 1609

F PI Quartiles: {2.5, 4.86, 7.5725}

M PI Quartiles: {2.73, 5.29, 7.6925}

Anderson-Darling two-sample test p-value: 0.114093



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.619 2.848	2.508 2.955	2.441 3.025
Quartile 2	5.29	5.16 5.41	5.039 5.527	4.961 5.6
Quartile 3	7.693	7.594 7.808	7.489 7.915	7.419 7.976

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.435 2.721	2.303 2.866	2.214 2.957
Quartile 2	4.86	4.742 5.084	4.576 5.253	4.464 5.378
Quartile 3	7.572	7.377 7.698	7.209 7.843	7.095 7.929

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.23	0.1846 -0.1839
Quartile 2	-0.43	0.2132 -0.2128
Quartile 3	-0.12	0.1909 -0.1913

{ }

In[9]:= `Export["NRA0GenderBiasTableThrough21A.xls", tablines]`

Out[9]= NRA0GenderBiasTableThrough21A.xls