

In[1]: << nraodist.thru19A.m

2012: GBT, VLA, and VLBA

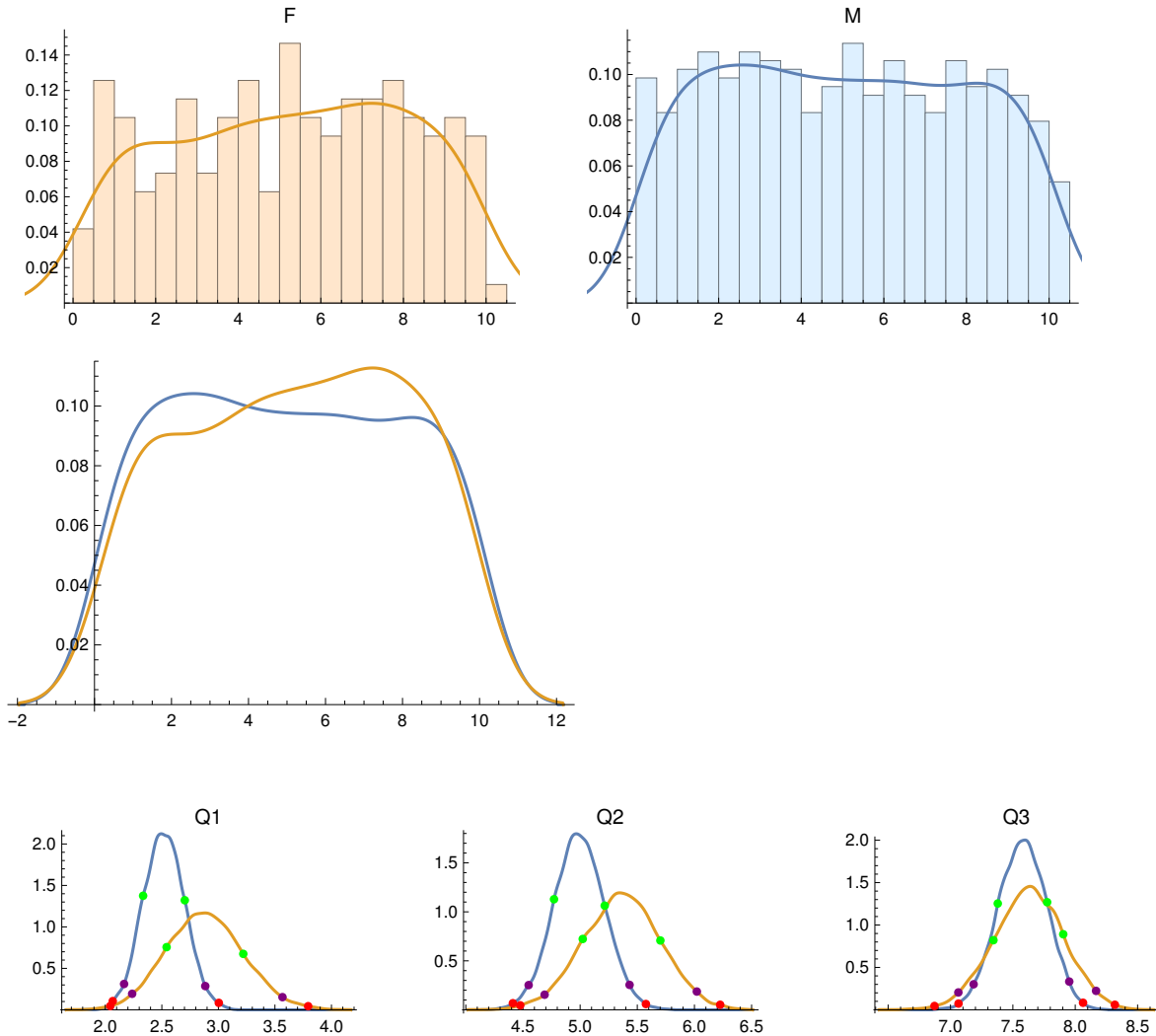
No. Female PIs = 191

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	2.334 2.703	2.166 2.884	2.066 3.004
Quartile 2	5.	4.772 5.215	4.55 5.432	4.412 5.576
Quartile 3	7.6	7.379 7.775	7.185 7.952	7.064 8.063

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.542 3.22	2.237 3.567	2.044 3.794
Quartile 2	5.36	5.023 5.702	4.689 6.021	4.476 6.225
Quartile 3	7.56	7.344 7.904	7.063 8.167	6.872 8.318

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.23	0.38 -0.3853
Quartile 2	0.36	0.4082 -0.4047
Quartile 3	-0.04	0.3421 -0.3419

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2013: GBT, VLA, and VLBA

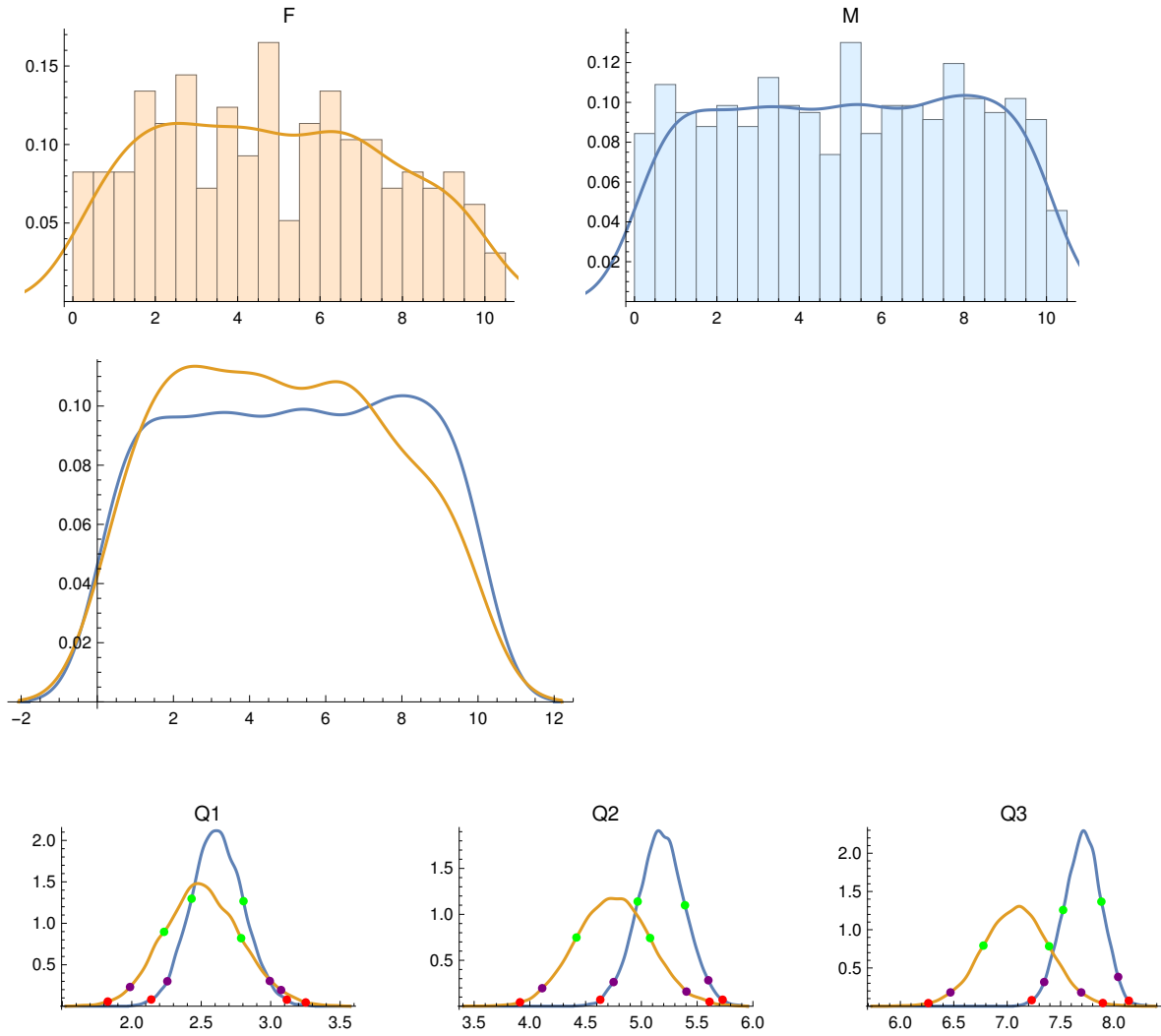
No. Female PIs = 194

No. Male PIs = 569

F PI Quartiles: {2.56, 4.675, 7.}

M PI Quartiles: {2.5825, 5.19, 7.75}

Anderson-Darling two-sample test p-value: 0.193103



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.582	2.431 2.804	2.256 2.993	2.14 3.116
Quartile 2	5.19	4.967 5.391	4.751 5.6	4.631 5.728
Quartile 3	7.75	7.524 7.882	7.347 8.039	7.229 8.139

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.56	2.233 2.787	1.988 3.075	1.827 3.252
Quartile 2	4.675	4.418 5.078	4.111 5.404	3.911 5.611
Quartile 3	7.	6.777 7.392	6.469 7.693	6.262 7.895

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.0225	0.3291 -0.3303
Quartile 2	-0.515	0.3878 -0.3971
Quartile 3	-0.75	0.3556 -0.3531

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2014: GBT, VLA, and VLBA

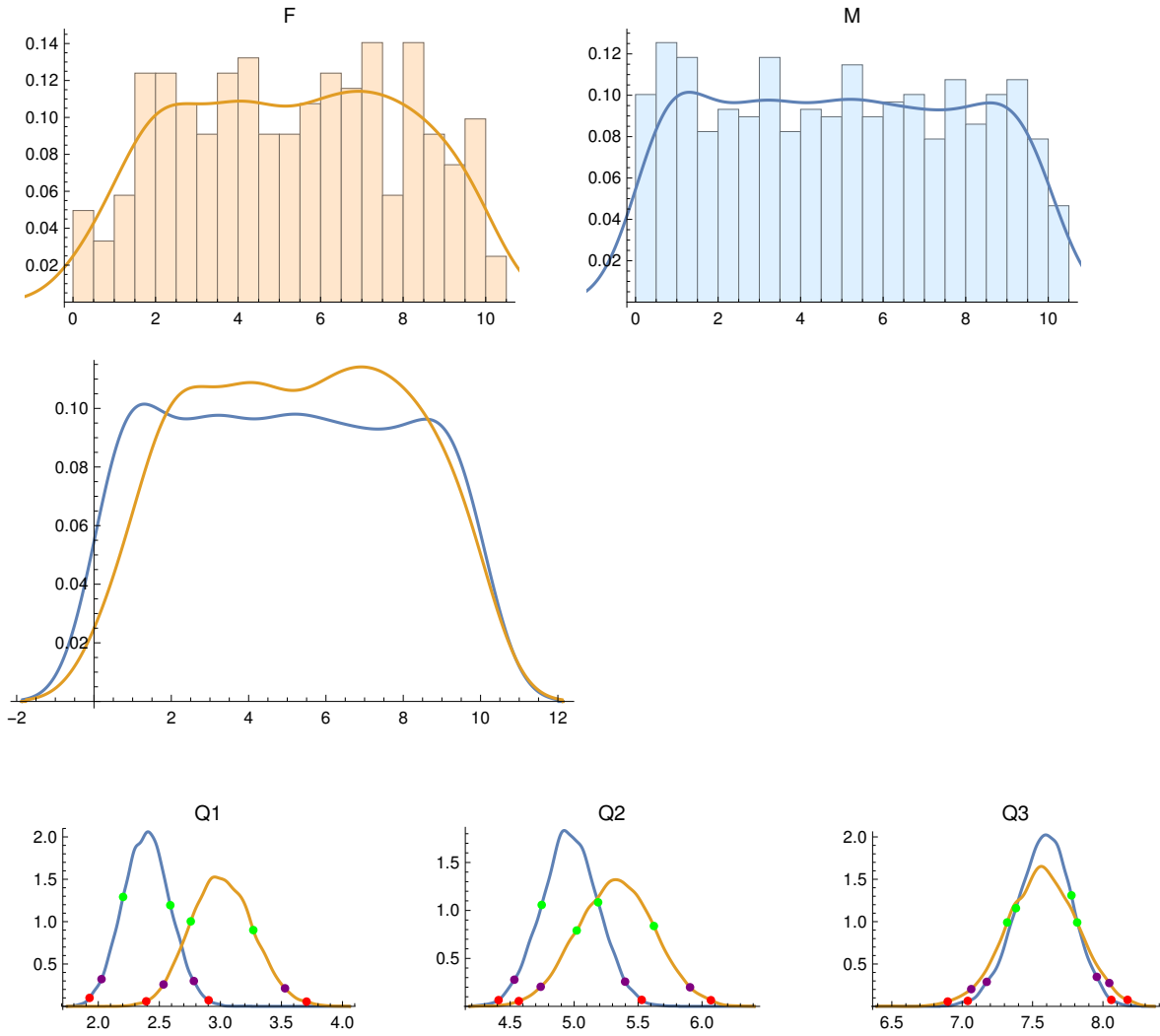
No. Female PIs = 242

No. Male PIs = 558

F PI Quartiles: {3., 5.4, 7.46}

M PI Quartiles: {2.4, 5., 7.6}

Anderson-Darling two-sample test p-value: 0.0472778



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.4	2.203 2.59	2.026 2.783	1.928 2.904
Quartile 2	5.	4.747 5.188	4.533 5.399	4.409 5.528
Quartile 3	7.6	7.382 7.776	7.174 7.956	7.04 8.06

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.	2.757 3.269	2.534 3.529	2.393 3.706
Quartile 2	5.4	5.02 5.624	4.739 5.906	4.568 6.069
Quartile 3	7.46	7.32 7.817	7.064 8.045	6.897 8.175

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.6	0.3194 -0.32
Quartile 2	0.4	0.3766 -0.3709
Quartile 3	-0.14	0.3178 -0.3181

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2015: GBT, VLA, and VLBA

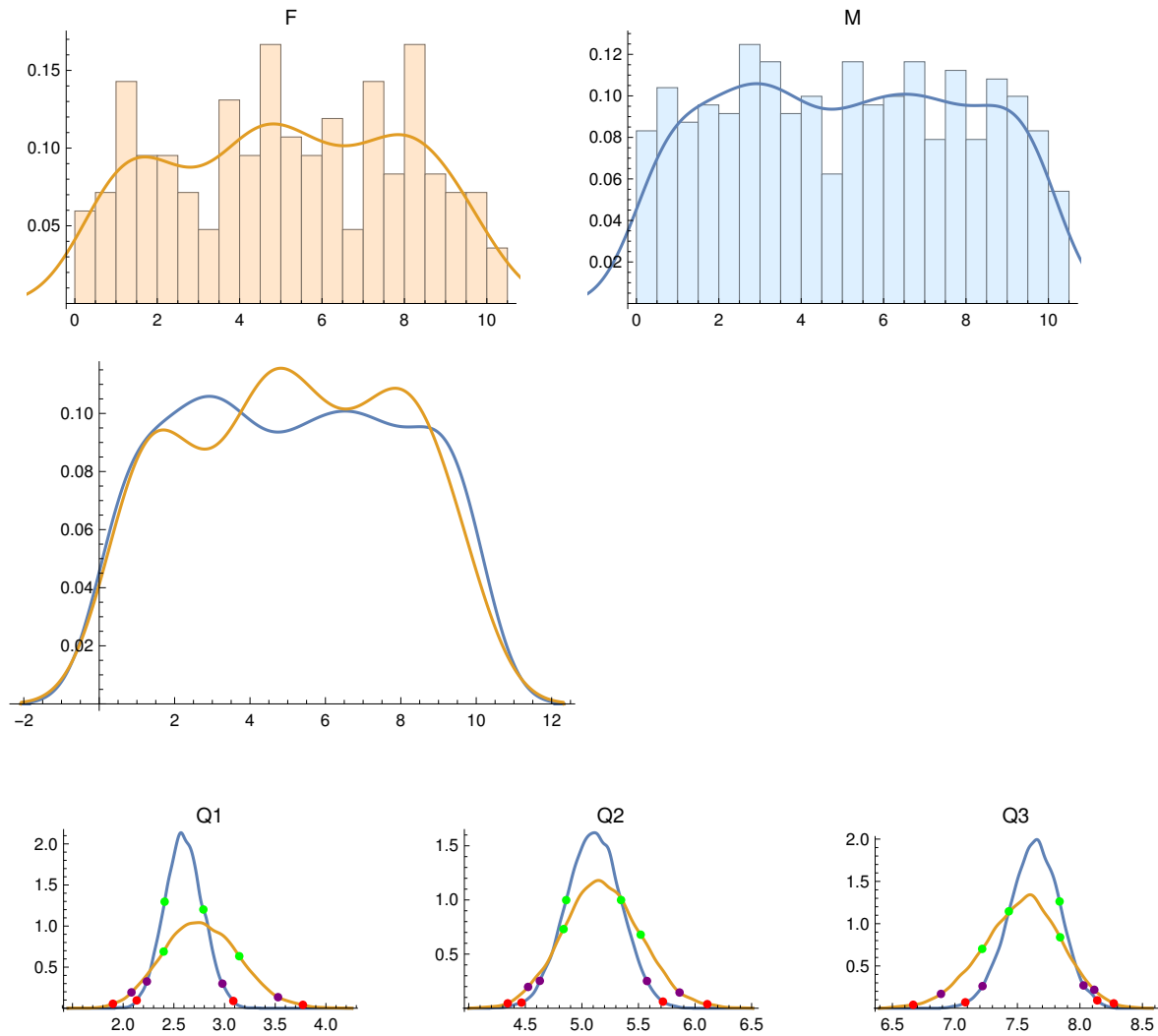
No. Female PIs = 168

No. Male PIs = 481

F PI Quartiles: {2.595, 5., 7.615}

M PI Quartiles: {2.665, 5.15, 7.6125}

Anderson-Darling two-sample test p-value: 0.671056



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.665	2.409 2.791	2.234 2.979	2.133 3.087
Quartile 2	5.15	4.861 5.346	4.628 5.575	4.466 5.716
Quartile 3	7.613	7.432 7.838	7.221 8.029	7.084 8.139

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.595	2.399 3.145	2.082 3.528	1.899 3.773
Quartile 2	5.	4.838 5.52	4.524 5.863	4.344 6.109
Quartile 3	7.615	7.218 7.842	6.889 8.115	6.667 8.271

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.07	0.4145 -0.4219
Quartile 2	-0.15	0.4163 -0.4152
Quartile 3	0.0025	0.3689 -0.3724

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2016: GBT, VLA, and VLBA

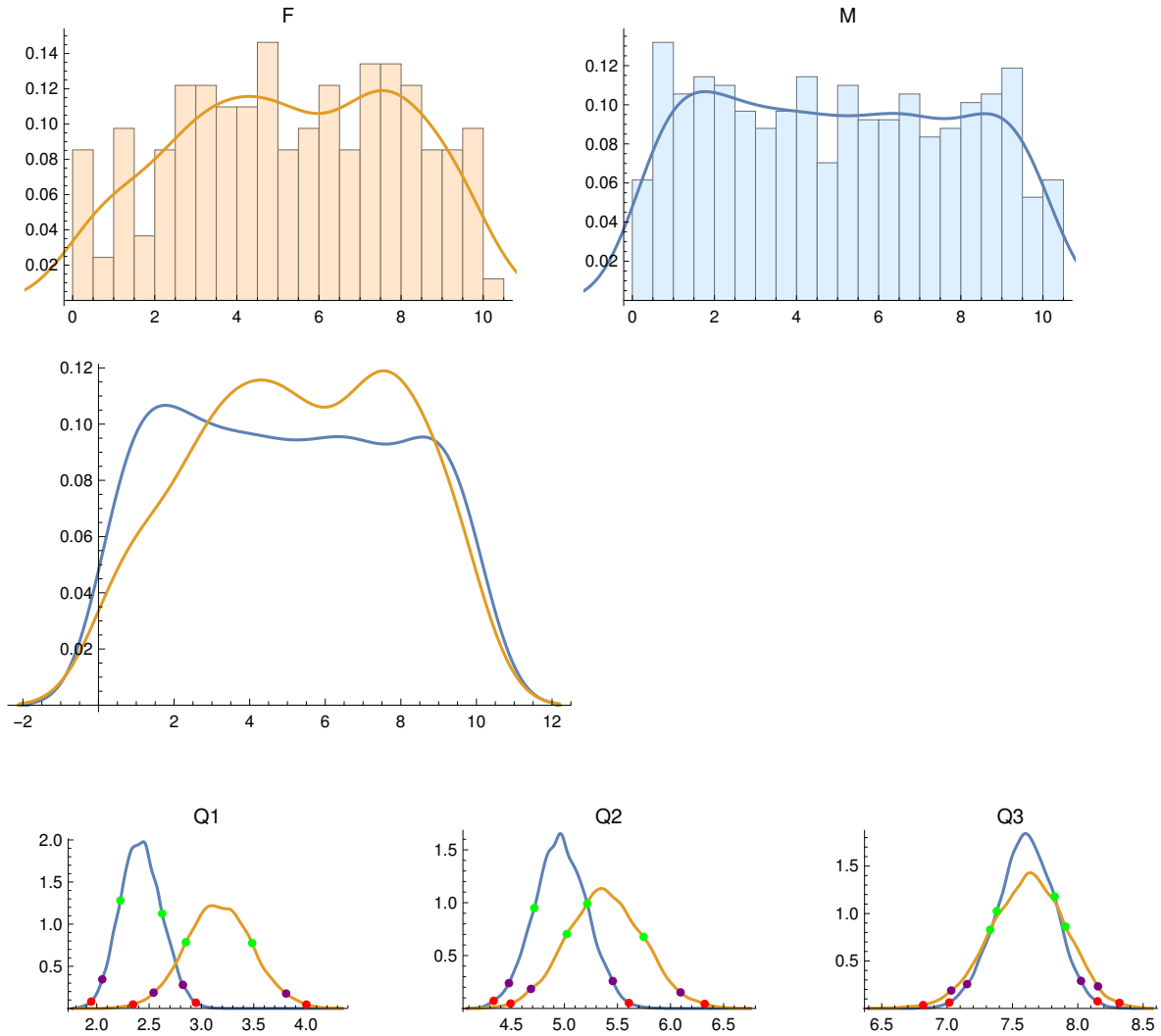
No. Female PIs = 164

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	2.226 2.624	2.052 2.823	1.947 2.947
Quartile 2	5.	4.716 5.216	4.477 5.456	4.333 5.608
Quartile 3	7.612	7.38 7.822	7.153 8.024	7.017 8.151

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.245	2.851 3.485	2.543 3.809	2.347 4.003
Quartile 2	5.38	5.022 5.746	4.685 6.094	4.493 6.322
Quartile 3	7.58	7.329 7.905	7.032 8.154	6.817 8.318

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.86	0.3707 -0.3751
Quartile 2	0.38	0.4355 -0.4359
Quartile 3	-0.0325	0.3617 -0.3662

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2017: GBT, VLA, and VLBA

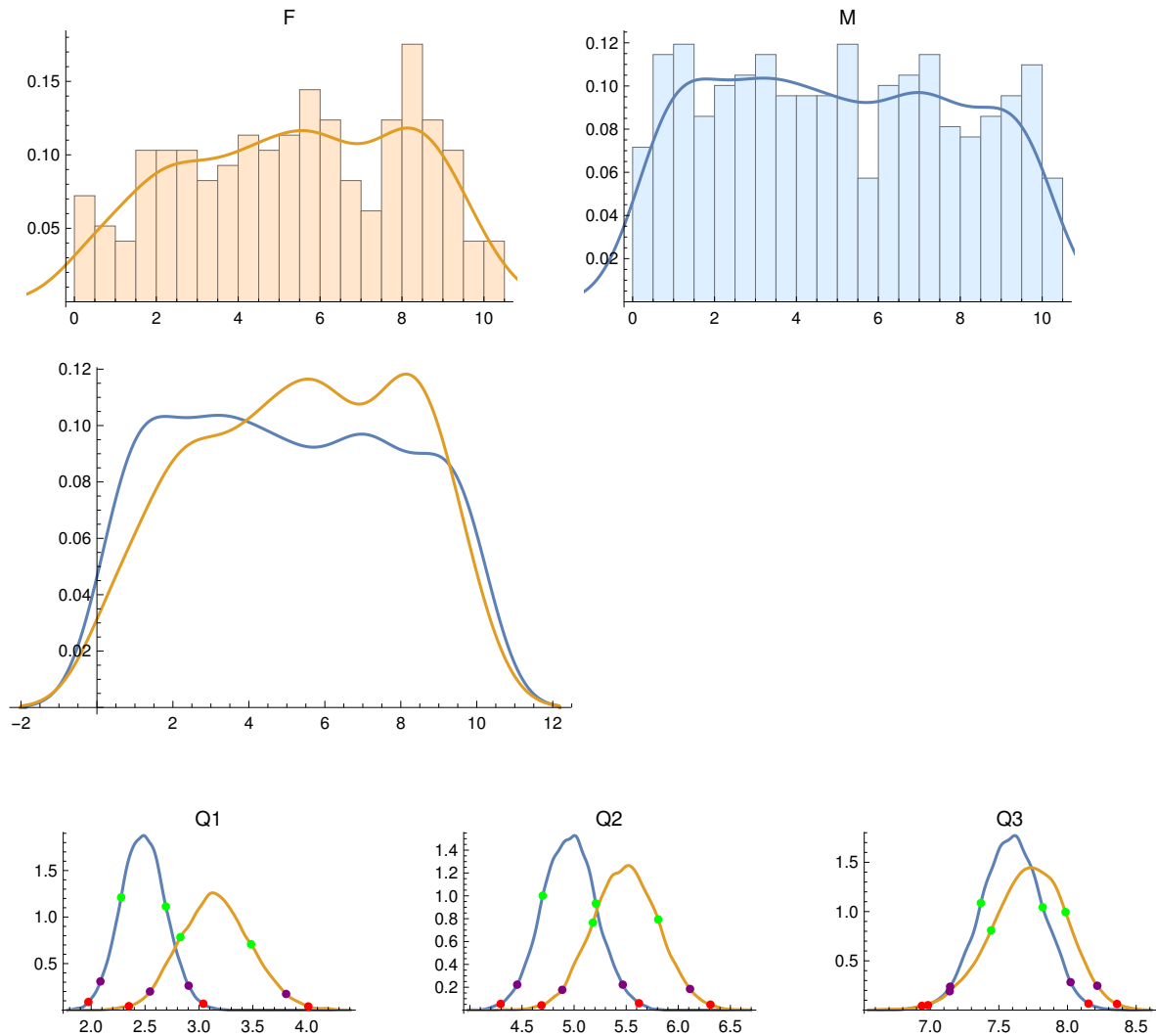
No. Female PIs = 194

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	2.278 2.693	2.086 2.904	1.974 3.041
Quartile 2	5.	4.699 5.209	4.454 5.467	4.295 5.623
Quartile 3	7.5	7.369 7.819	7.145 8.022	6.984 8.153

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.11	2.828 3.484	2.546 3.809	2.35 4.015
Quartile 2	5.5	5.18 5.807	4.886 6.113	4.687 6.309
Quartile 3	7.89	7.443 7.985	7.142 8.217	6.939 8.361

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.61	0.3804 -0.3807
Quartile 2	0.5	0.4045 -0.4062
Quartile 3	0.39	0.3536 -0.3581

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2018: GBT, VLA, and VLBA

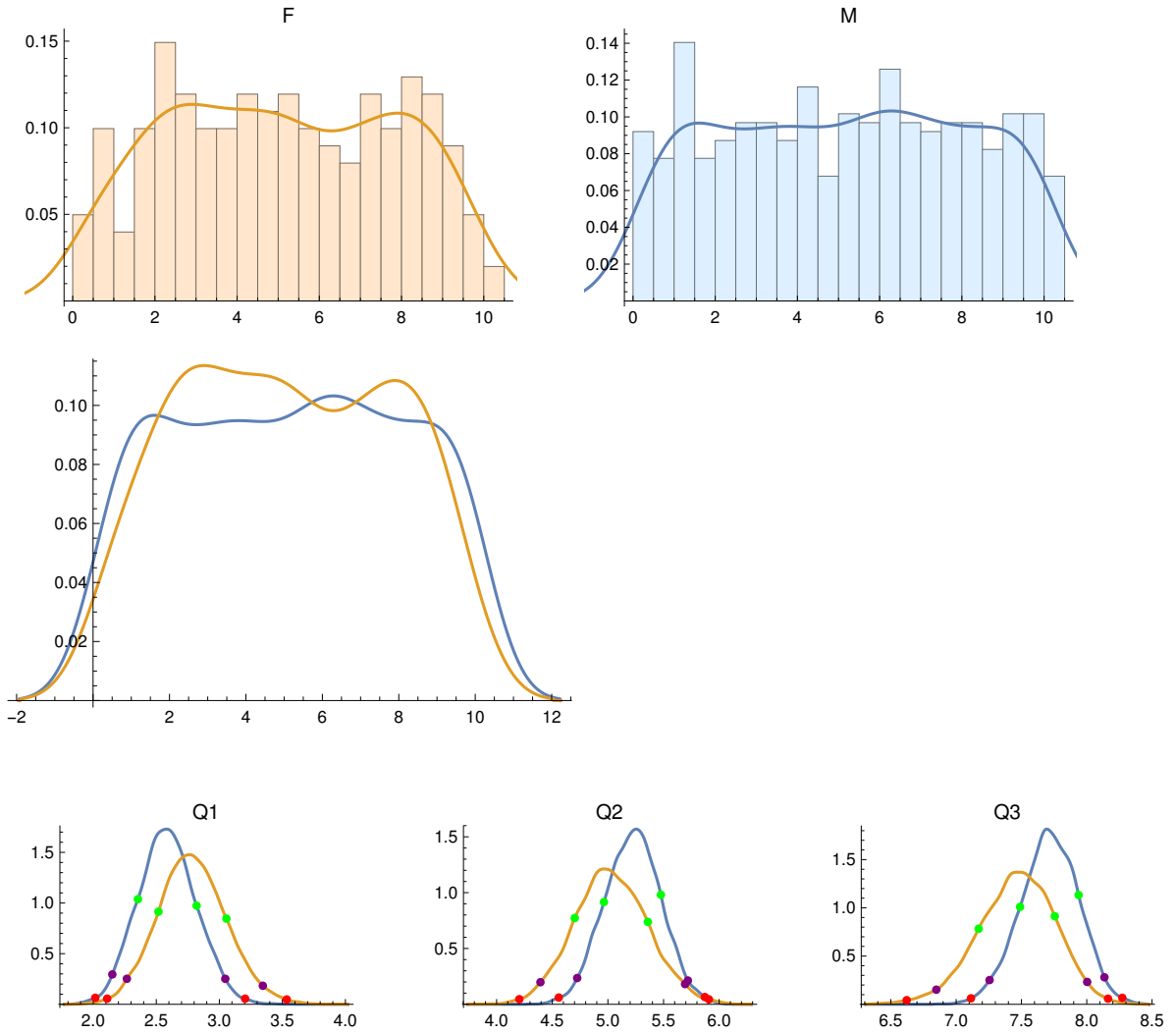
No. Female PIs = 201

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	2.354 2.82	2.151 3.047	2.016 3.205
Quartile 2	5.26	4.965 5.476	4.724 5.718	4.559 5.871
Quartile 3	7.738	7.489 7.938	7.256 8.135	7.113 8.272

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.808	2.517 3.056	2.267 3.345	2.11 3.535
Quartile 2	5.	4.702 5.359	4.394 5.693	4.204 5.907
Quartile 3	7.545	7.172 7.755	6.848 8.003	6.621 8.163

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.21	0.3587 -0.3582
Quartile 2	-0.26	0.4134 -0.4177
Quartile 3	-0.1925	0.3637 -0.3652

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2019: GBT, VLA, and VLBA

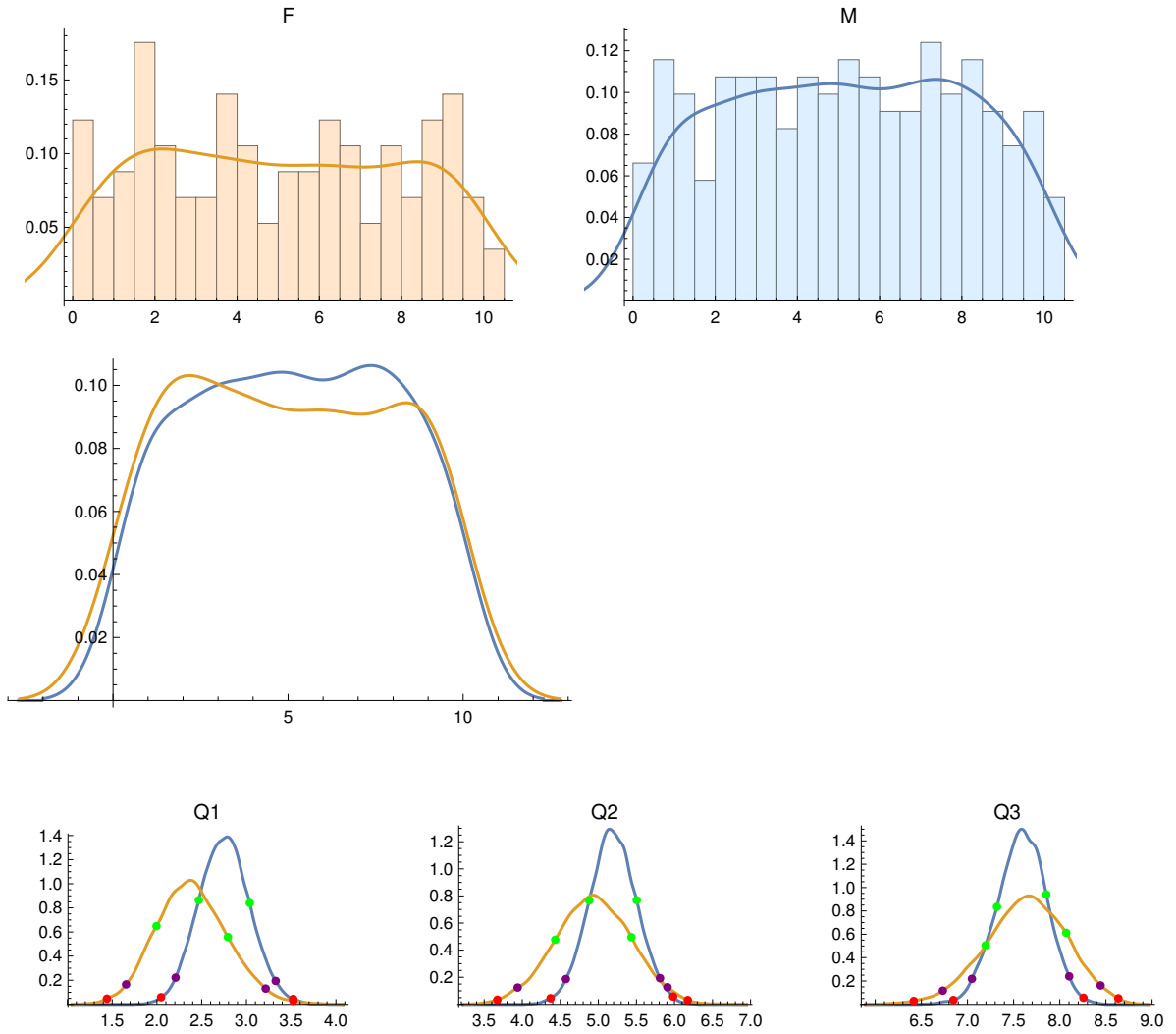
No. Female PIs = 114

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 3.038	2.209 3.327	2.046 3.523
Quartile 2	5.115	4.88 5.504	4.573 5.81	4.372 5.982
Quartile 3	7.56	7.319 7.855	7.048 8.102	6.847 8.257

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.3	1.995 2.793	1.656 3.215	1.442 3.524
Quartile 2	4.895	4.433 5.435	3.94 5.909	3.673 6.175
Quartile 3	7.73	7.197 8.07	6.733 8.443	6.418 8.635

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.47	0.4879 -0.4946
Quartile 2	-0.22	0.5813 -0.5836
Quartile 3	0.17	0.5106 -0.5195

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All Years, 2012-2019A: GBT, VLA, and VLBA

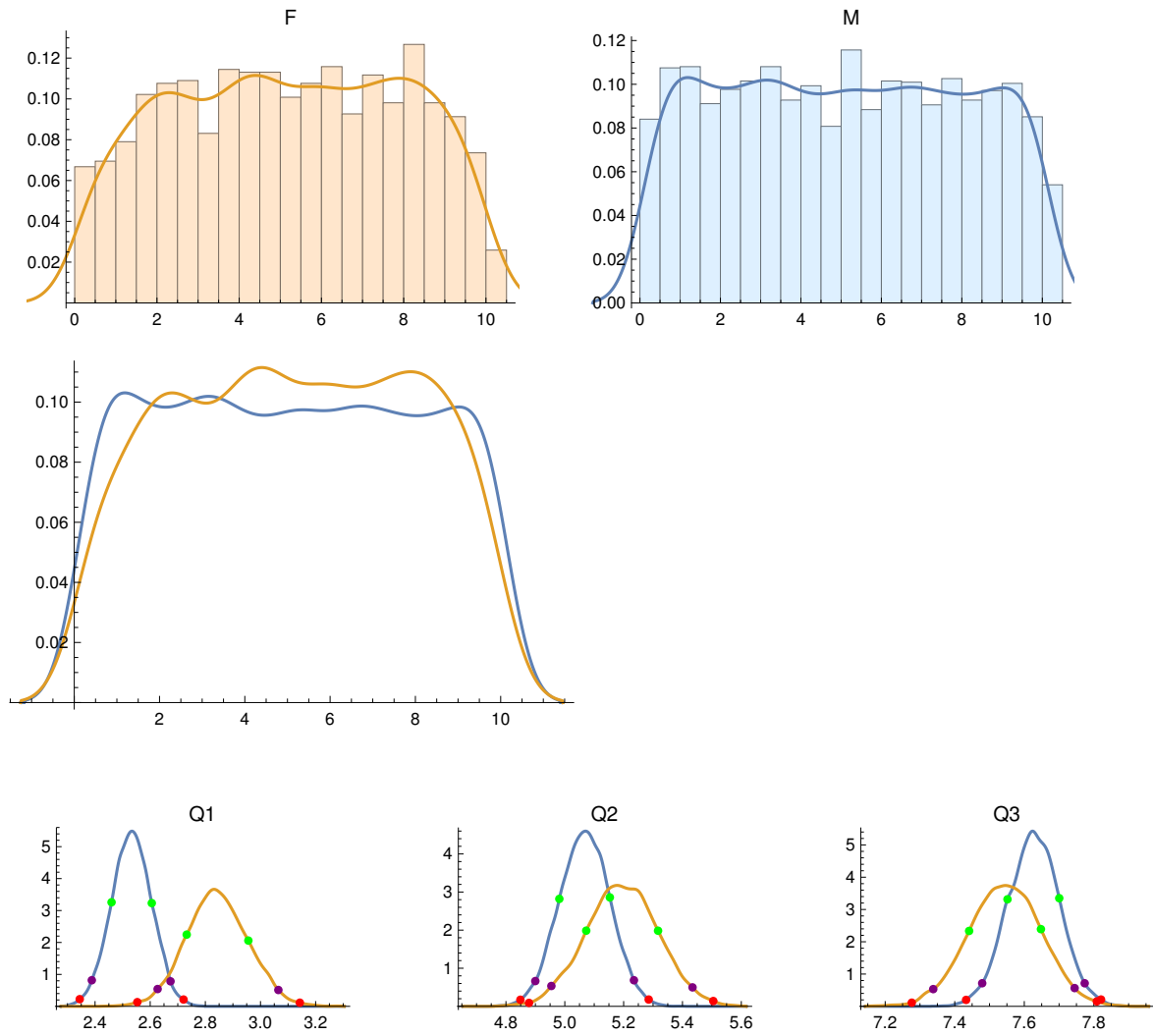
No. Female PIs = 1468

No. Male PIs = 3665

F PI Quartiles: {2.78, 5.22, 7.56}

M PI Quartiles: {2.53, 5.09, 7.62}

Anderson-Darling two-sample test p-value: 0.00493195



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.53	2.46 2.606	2.388 2.674	2.344 2.721
Quartile 2	5.09	4.981 5.153	4.9 5.235	4.849 5.285
Quartile 3	7.62	7.552 7.701	7.479 7.774	7.433 7.821

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.78	2.732 2.956	2.627 3.065	2.553 3.143
Quartile 2	5.22	5.073 5.317	4.954 5.434	4.878 5.505
Quartile 3	7.56	7.441 7.648	7.338 7.745	7.276 7.809

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.25	0.1325 -0.1333
Quartile 2	0.13	0.1482 -0.1493
Quartile 3	-0.06	0.127 -0.1274

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2012: VLA only

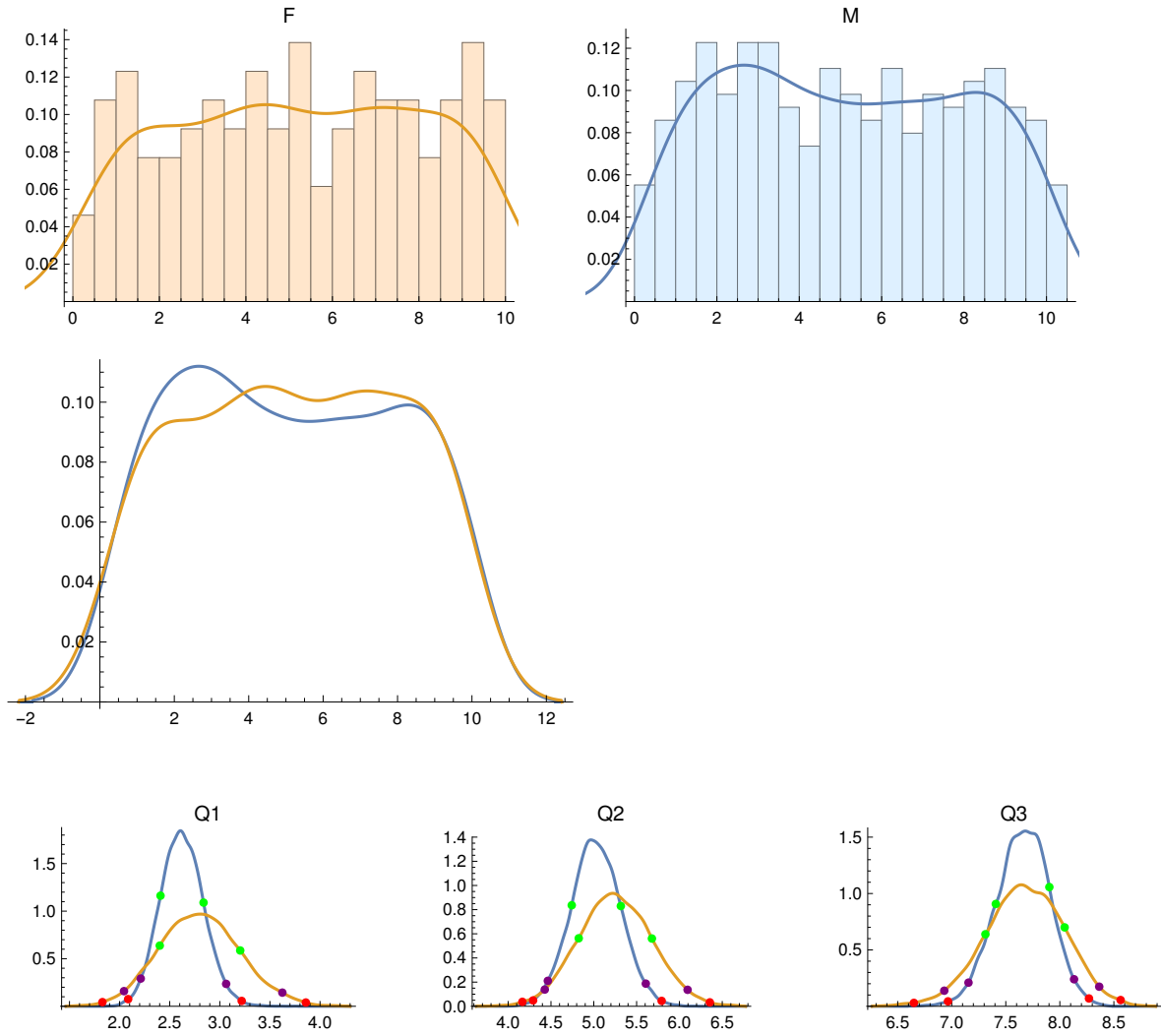
No. Female PIs = 130

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	2.408 2.838	2.211 3.063	2.085 3.218
Quartile 2	5.	4.743 5.316	4.463 5.607	4.291 5.792
Quartile 3	7.73	7.408 7.903	7.155 8.132	6.965 8.27

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.73	2.401 3.204	2.044 3.624	1.829 3.858
Quartile 2	5.11	4.824 5.679	4.428 6.095	4.166 6.355
Quartile 3	7.5	7.312 8.044	6.931 8.364	6.65 8.563

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.12	0.451 -0.4523
Quartile 2	0.11	0.512 -0.5186
Quartile 3	-0.23	0.4375 -0.4346

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2013: VLA only

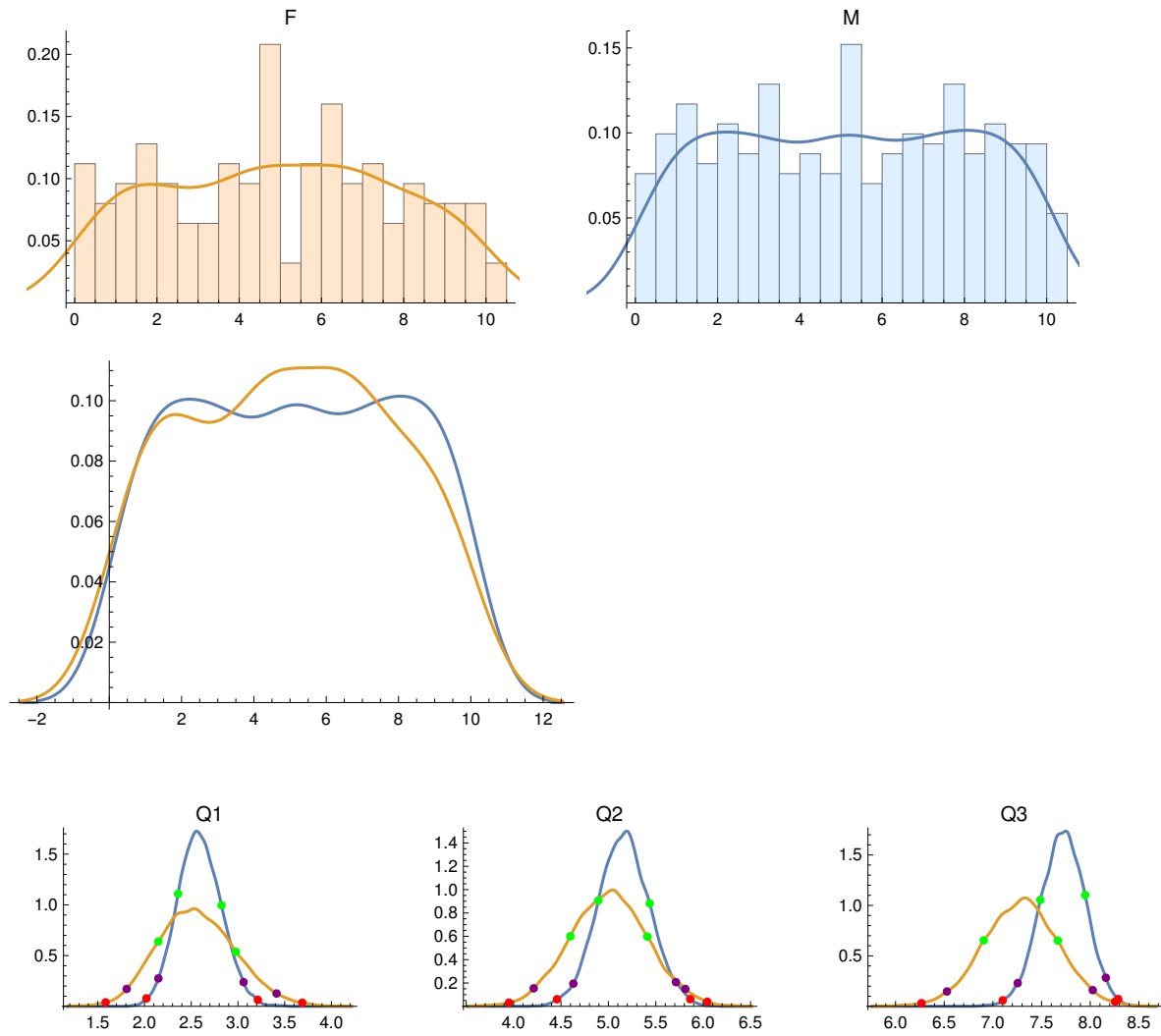
No. Female PIs = 125

No. Male PIs = 342

F PI Quartiles: {2.3375, 4.72, 7.175}

M PI Quartiles: {2.55, 5.135, 7.8}

Anderson-Darling two-sample test p-value: 0.751375



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.55	2.359 2.824	2.149 3.061	2.021 3.213
Quartile 2	5.135	4.894 5.436	4.63 5.712	4.458 5.864
Quartile 3	7.8	7.487 7.948	7.255 8.16	7.101 8.287

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.338	2.149 2.978	1.81 3.413	1.584 3.688
Quartile 2	4.72	4.598 5.411	4.212 5.812	3.951 6.044
Quartile 3	7.175	6.906 7.667	6.528 8.026	6.267 8.255

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.2125	0.4773 -0.476
Quartile 2	-0.415	0.4957 -0.4896
Quartile 3	-0.625	0.4453 -0.4405

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2014: VLA only

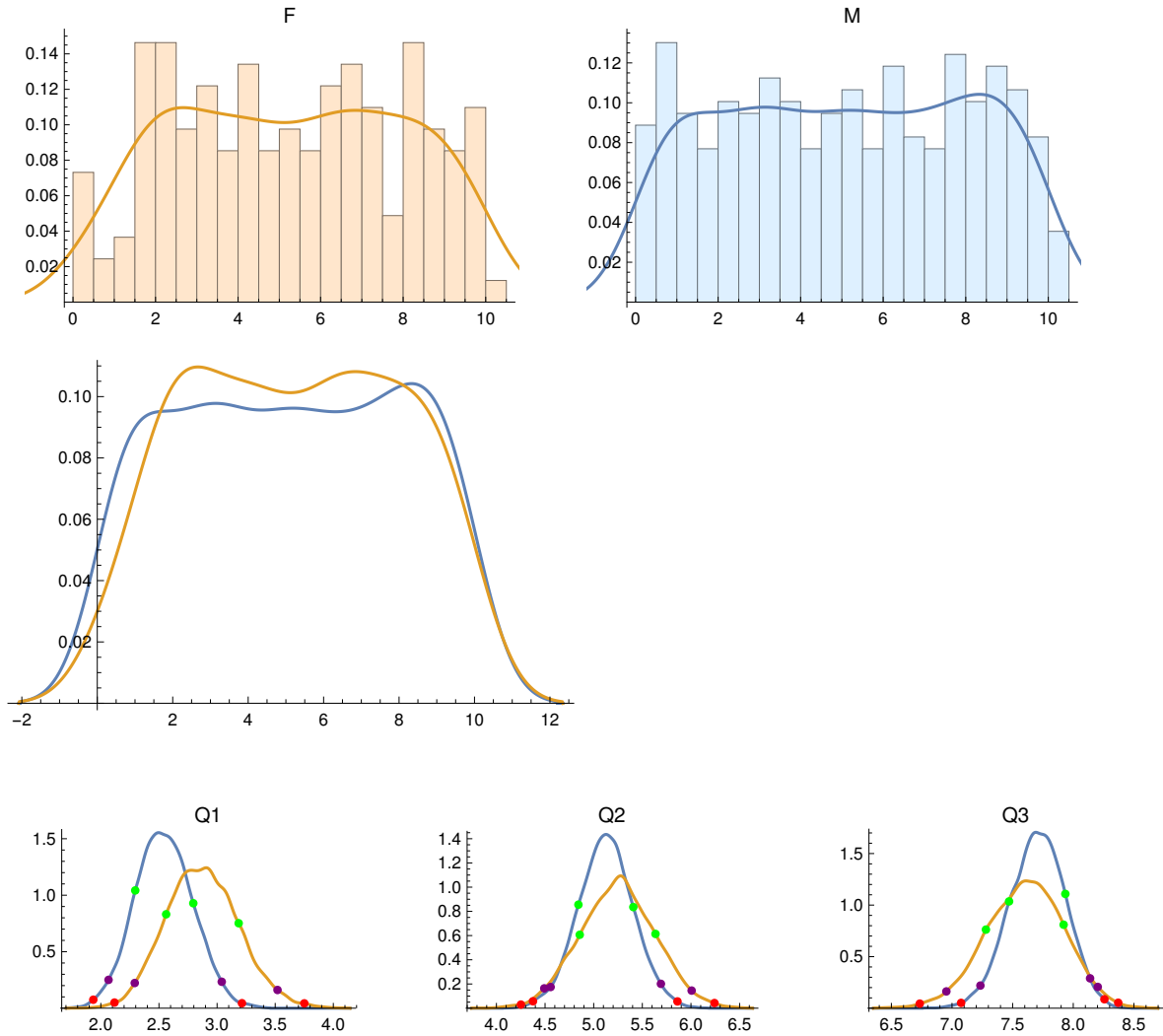
No. Female PIs = 164

No. Male PIs = 338

F PI Quartiles: {2.745, 5.345, 7.53}

M PI Quartiles: {2.6, 5.11, 7.69}

Anderson-Darling two-sample test p-value: 0.503132



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.6	2.296 2.795	2.066 3.04	1.935 3.214
Quartile 2	5.11	4.843 5.407	4.557 5.691	4.376 5.861
Quartile 3	7.69	7.471 7.935	7.234 8.139	7.075 8.257

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.745	2.562 3.186	2.292 3.52	2.117 3.751
Quartile 2	5.345	4.857 5.635	4.492 6.007	4.252 6.242
Quartile 3	7.53	7.28 7.92	6.953 8.202	6.734 8.371

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.145	0.4018 -0.3973
Quartile 2	0.235	0.4809 -0.4811
Quartile 3	-0.16	0.3946 -0.399

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2015: VLA only

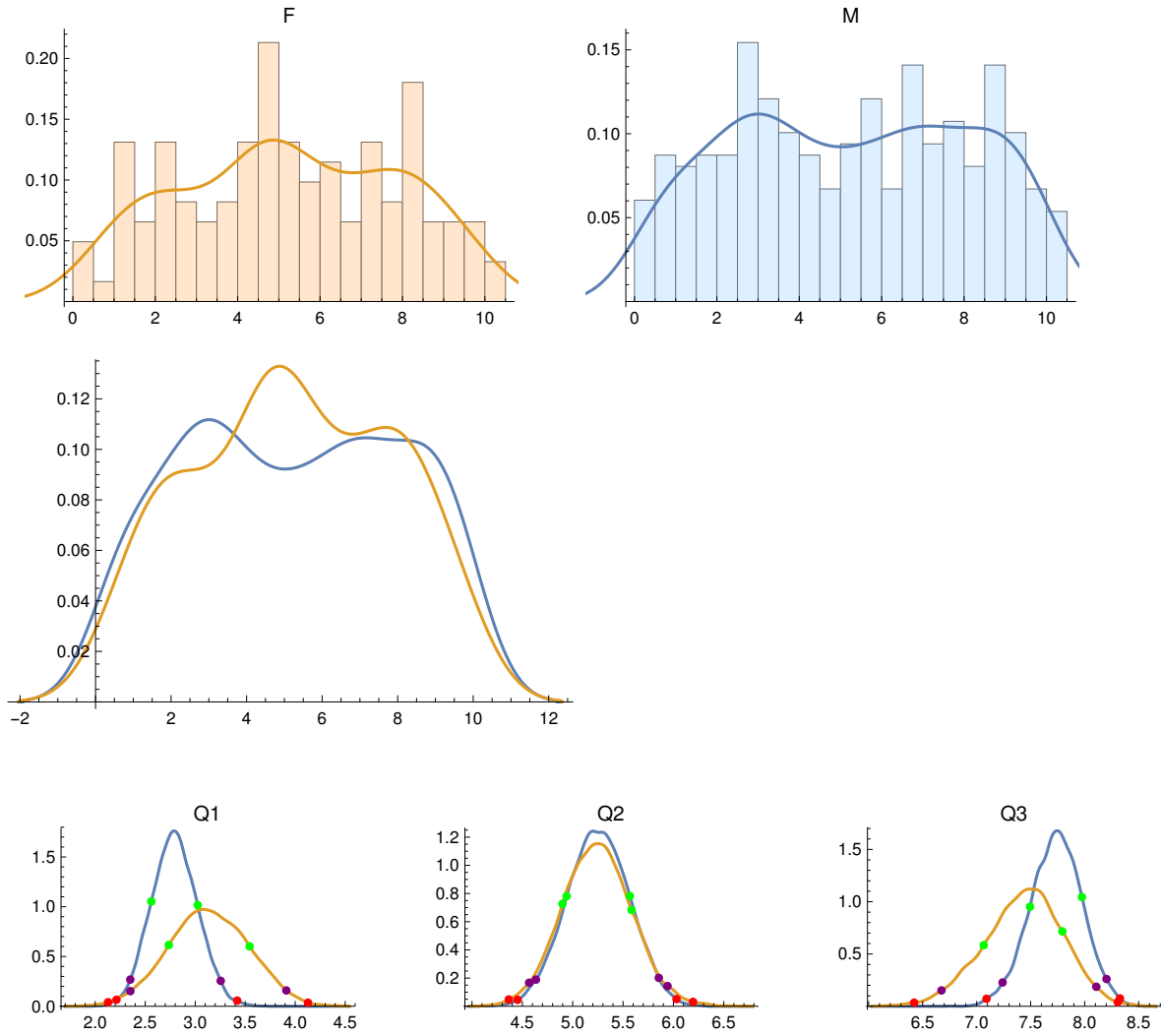
No. Female PIs = 122

No. Male PIs = 298

F PI Quartiles: {3.18, 5., 7.45}

M PI Quartiles: {2.83, 5.295, 7.69}

Anderson-Darling two-sample test p-value: 0.506714



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.83	2.561 3.026	2.351 3.255	2.213 3.42
Quartile 2	5.295	4.94 5.568	4.635 5.855	4.453 6.031
Quartile 3	7.69	7.494 7.975	7.24 8.202	7.091 8.327

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.18	2.736 3.545	2.352 3.911	2.129 4.128
Quartile 2	5.	4.898 5.584	4.567 5.941	4.365 6.194
Quartile 3	7.45	7.065 7.794	6.674 8.108	6.421 8.307

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.35	0.4705 -0.4647
Quartile 2	-0.295	0.4629 -0.4579
Quartile 3	-0.24	0.4308 -0.4351

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2016: VLA only

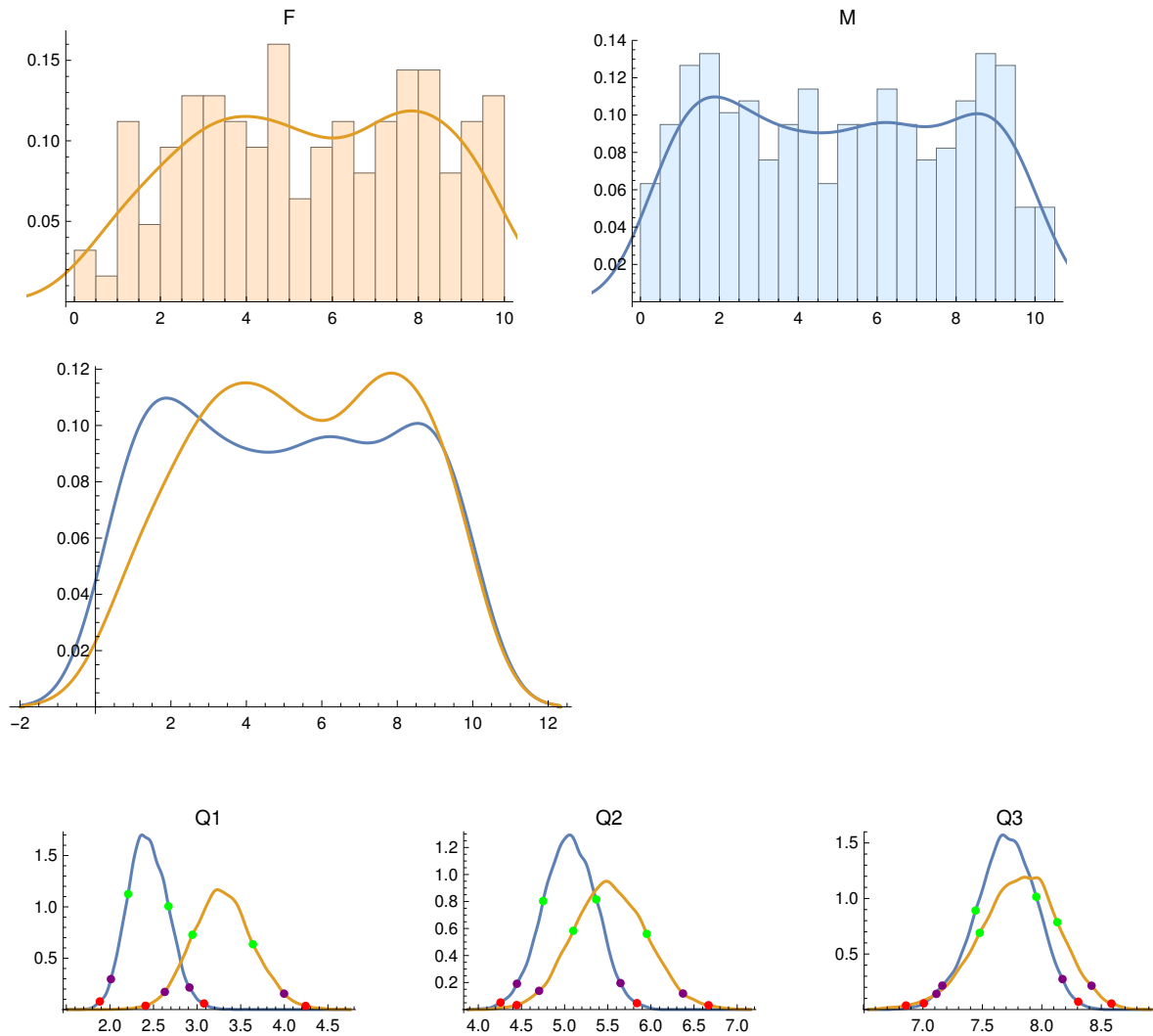
No. Female PIs = 125

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	2.209 2.672	2.011 2.912	1.884 3.079
Quartile 2	5.115	4.751 5.366	4.447 5.648	4.257 5.838
Quartile 3	7.78	7.443 7.954	7.163 8.174	7.008 8.306

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.33	2.946 3.64	2.629 3.997	2.408 4.245
Quartile 2	5.56	5.101 5.952	4.704 6.372	4.445 6.668
Quartile 3	7.792	7.478 8.13	7.113 8.418	6.857 8.585

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.94	0.412 -0.4071
Quartile 2	0.445	0.5177 -0.5218
Quartile 3	0.0125	0.4219 -0.4214

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2017: VLA only

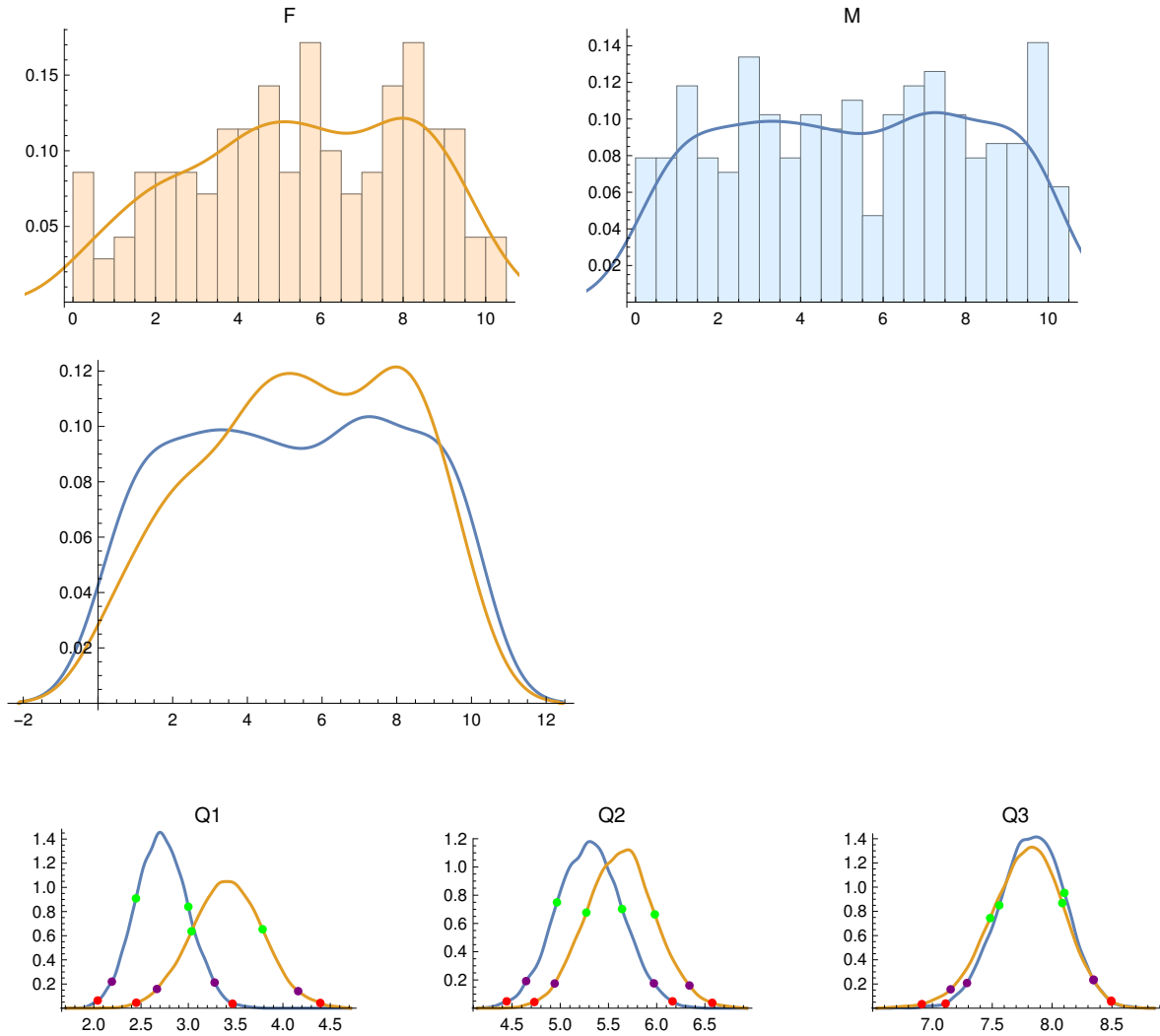
No. Female PIs = 140

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	2.446 3.	2.191 3.278	2.041 3.467
Quartile 2	5.19	4.966 5.641	4.646 5.971	4.444 6.164
Quartile 3	7.8	7.559 8.102	7.289 8.345	7.11 8.494

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.58	3.034 3.785	2.668 4.161	2.45 4.395
Quartile 2	5.645	5.271 5.981	4.942 6.34	4.732 6.576
Quartile 3	7.865	7.483 8.085	7.152 8.347	6.912 8.494

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.85	0.4707 -0.4705
Quartile 2	0.455	0.4929 -0.4904
Quartile 3	0.065	0.4067 -0.4089

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2018: VLA only

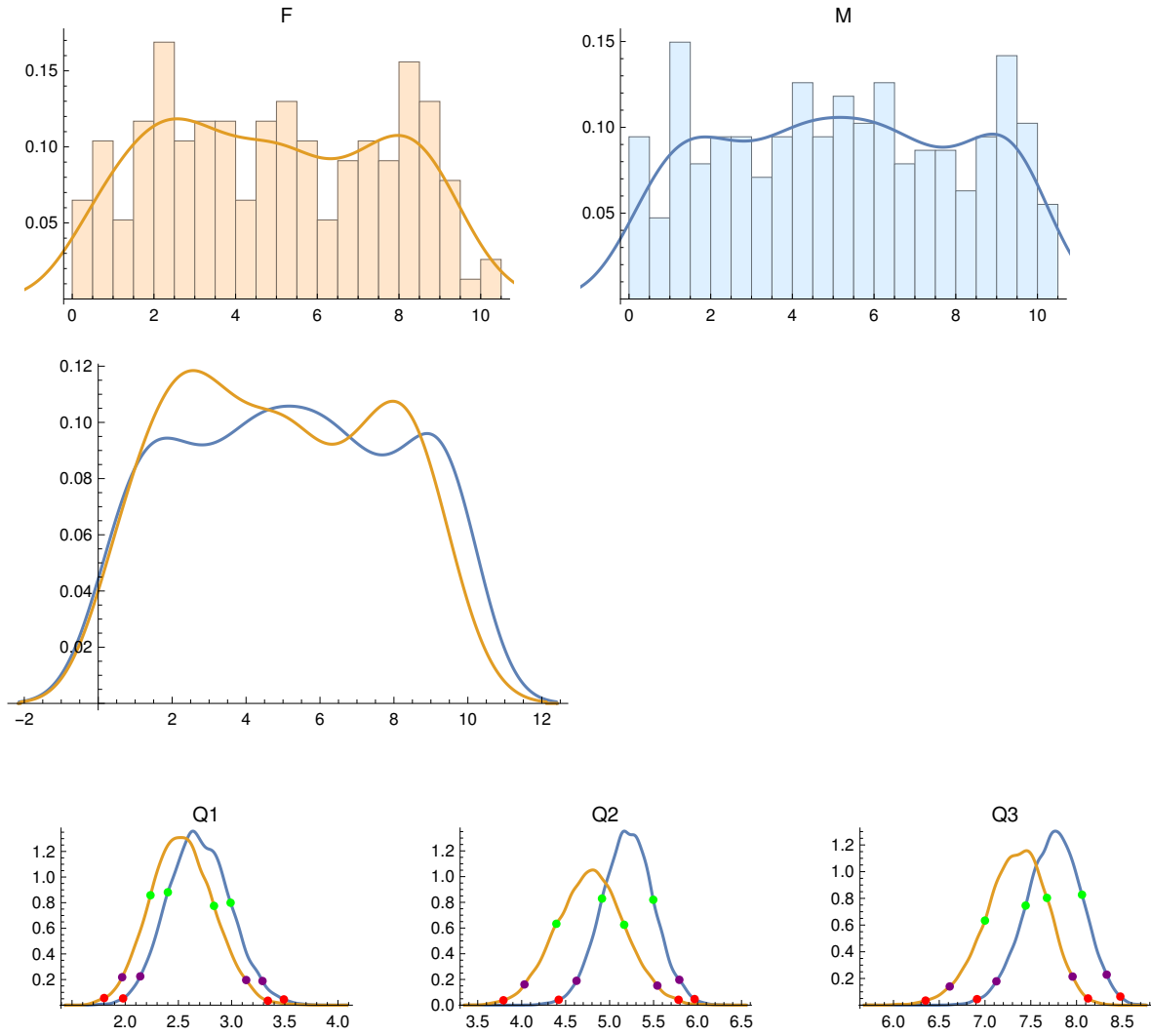
No. Female PIs = 154

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	2.401 2.991	2.141 3.291	1.98 3.492
Quartile 2	5.2	4.913 5.496	4.624 5.793	4.421 5.966
Quartile 3	7.78	7.444 8.059	7.124 8.329	6.913 8.478

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.39	2.238 2.835	1.971 3.137	1.802 3.341
Quartile 2	4.805	4.395 5.166	4.032 5.543	3.793 5.784
Quartile 3	7.4	6.999 7.677	6.614 7.957	6.351 8.125

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.22	0.4181 -0.4193
Quartile 2	-0.395	0.4781 -0.4912
Quartile 3	-0.38	0.4555 -0.4538

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2019: VLA only

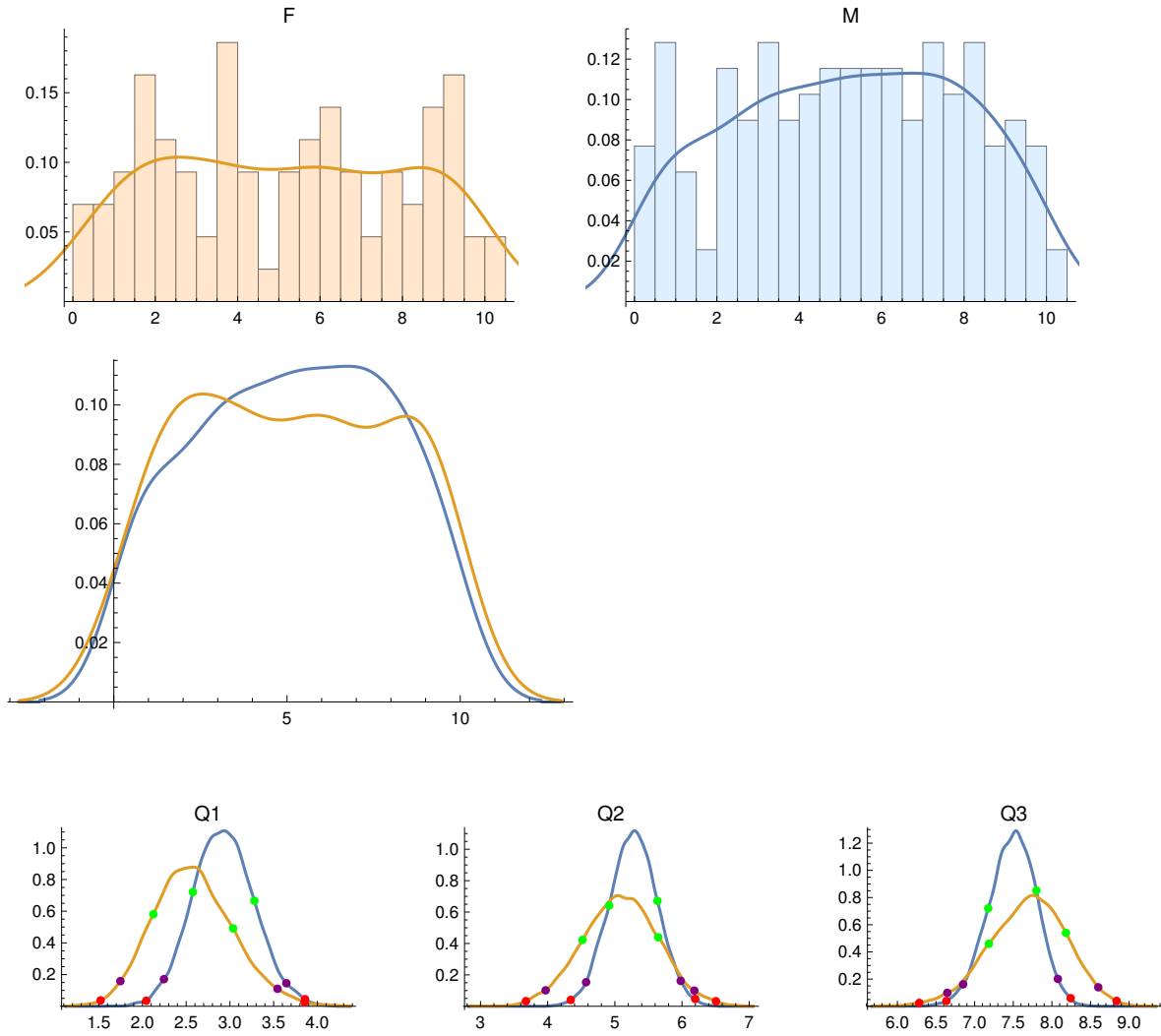
No. Female PIs = 86

No. Male PIs = 156

F PI Quartiles: {2.45, 5.325, 7.84}

M PI Quartiles: {3.045, 5.265, 7.45}

Anderson-Darling two-sample test p-value: 0.826667



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.045	2.577 3.28	2.246 3.645	2.043 3.859
Quartile 2	5.265	4.915 5.634	4.572 5.981	4.343 6.196
Quartile 3	7.45	7.175 7.799	6.851 8.077	6.634 8.243

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.45	2.125 3.037	1.748 3.544	1.521 3.853
Quartile 2	5.325	4.519 5.645	3.969 6.183	3.676 6.505
Quartile 3	7.84	7.184 8.182	6.646 8.6	6.283 8.838

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.595	0.5795 -0.5761
Quartile 2	0.06	0.6696 -0.6764
Quartile 3	0.39	0.5904 -0.5859

{}

All Years, 2012-2019A: VLA only

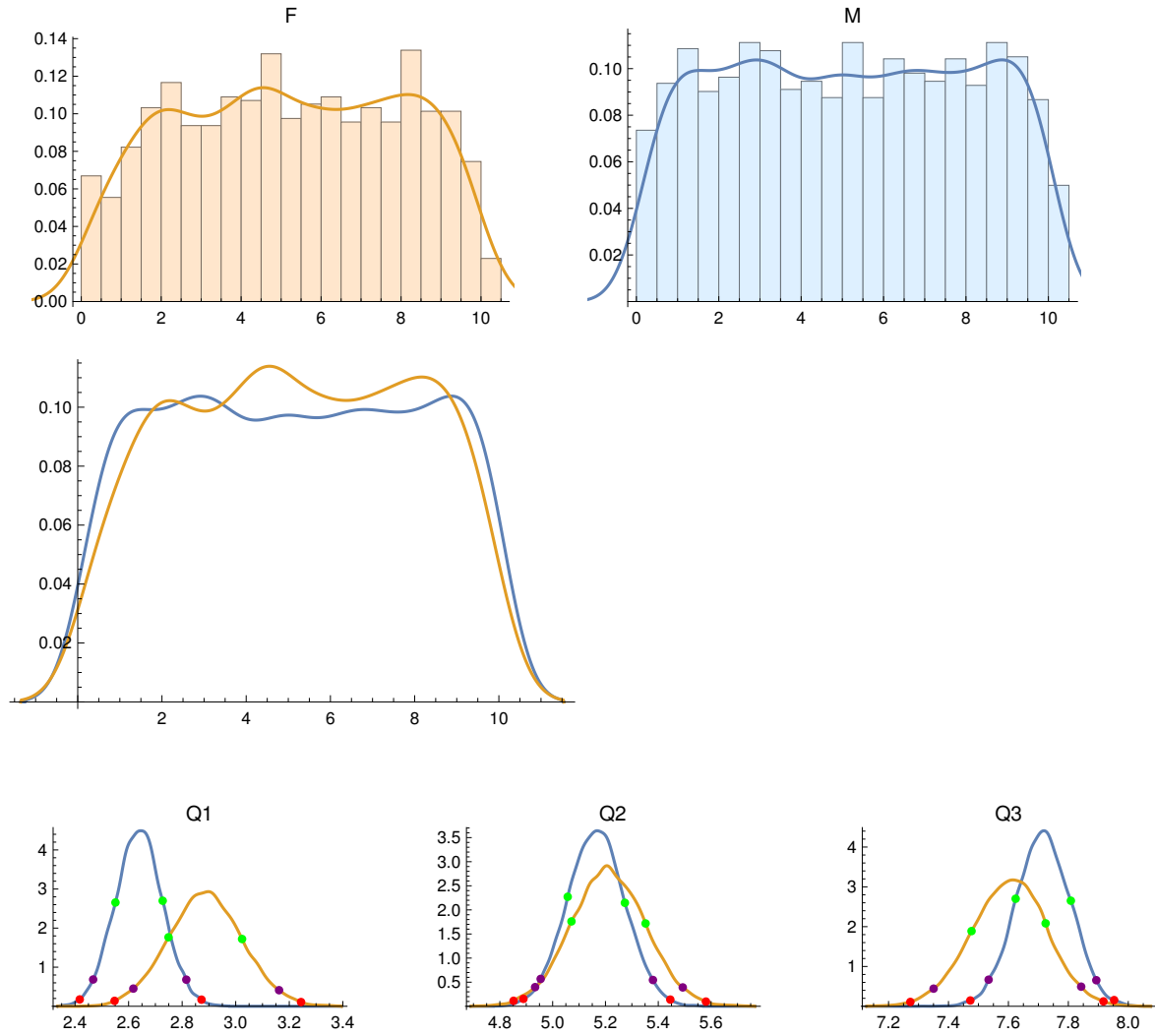
No. Female PIs = 1046

No. Male PIs = 2284

F PI Quartiles: {2.84, 5.22, 7.6}

M PI Quartiles: {2.65, 5.14, 7.73}

Anderson-Darling two-sample test p-value: 0.0564146



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.65	2.551 2.727	2.468 2.815	2.418 2.872
Quartile 2	5.14	5.057 5.274	4.955 5.38	4.889 5.446
Quartile 3	7.73	7.624 7.808	7.534 7.893	7.473 7.953

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.84	2.749 3.024	2.618 3.162	2.548 3.244
Quartile 2	5.22	5.071 5.352	4.934 5.493	4.852 5.581
Quartile 3	7.6	7.477 7.724	7.35 7.843	7.273 7.917

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.19	0.1631 -0.1654
Quartile 2	0.08	0.1786 -0.1793
Quartile 3	-0.13	0.1541 -0.1547

{}

2012: GBT only

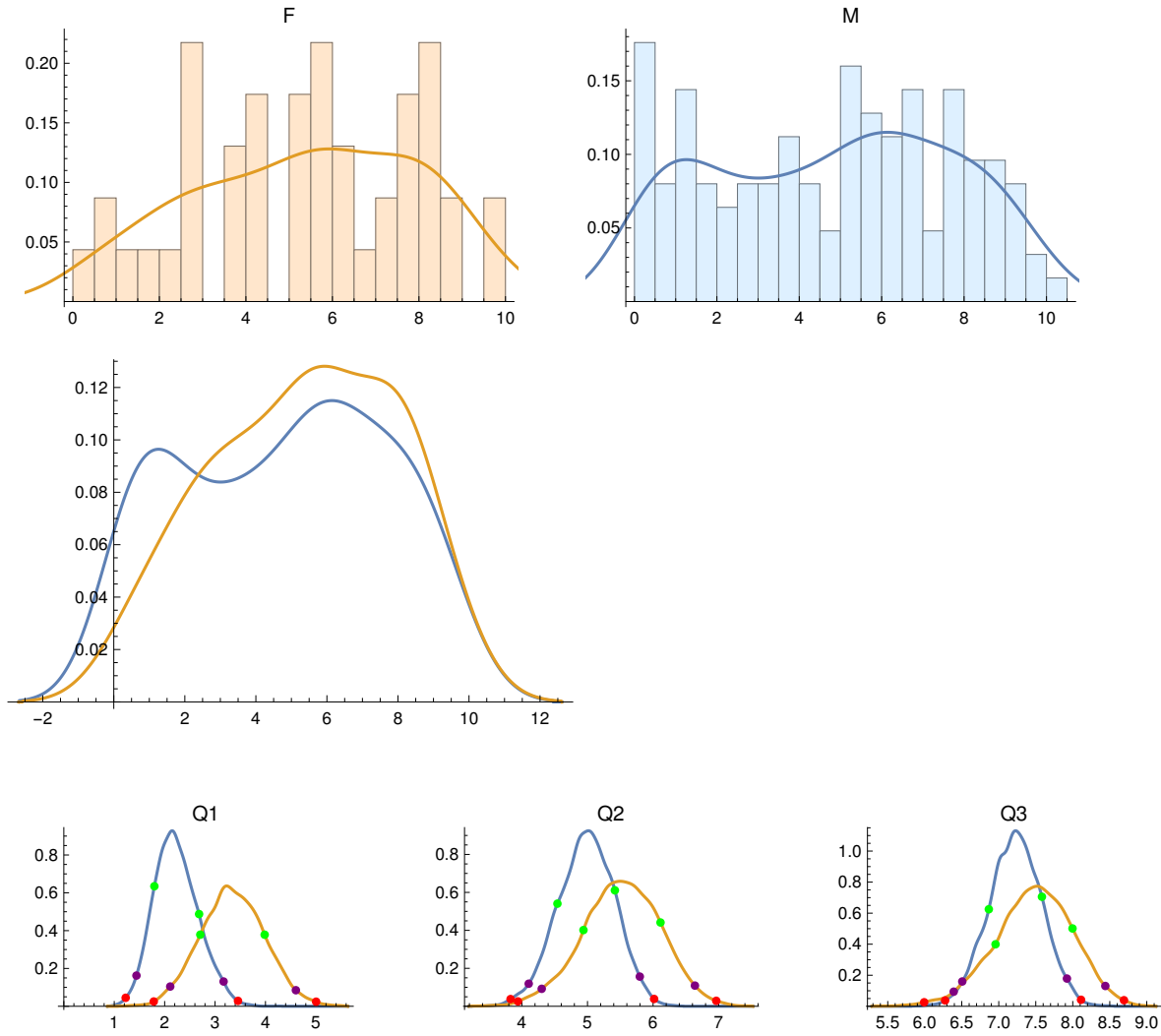
No. Female PIs = 46

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	1.796 2.683	1.441 3.169	1.227 3.455
Quartile 2	5.16	4.542 5.418	4.104 5.798	3.827 6.016
Quartile 3	7.16	6.866 7.583	6.507 7.921	6.275 8.112

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.55	2.707 3.984	2.111 4.603	1.784 5.005
Quartile 2	5.62	4.939 6.113	4.302 6.638	3.94 6.963
Quartile 3	7.72	6.957 7.997	6.391 8.44	5.992 8.692

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.44	0.76 -0.765
Quartile 2	0.46	0.7323 -0.7327
Quartile 3	0.56	0.6341 -0.6308

{}

2013: GBT only

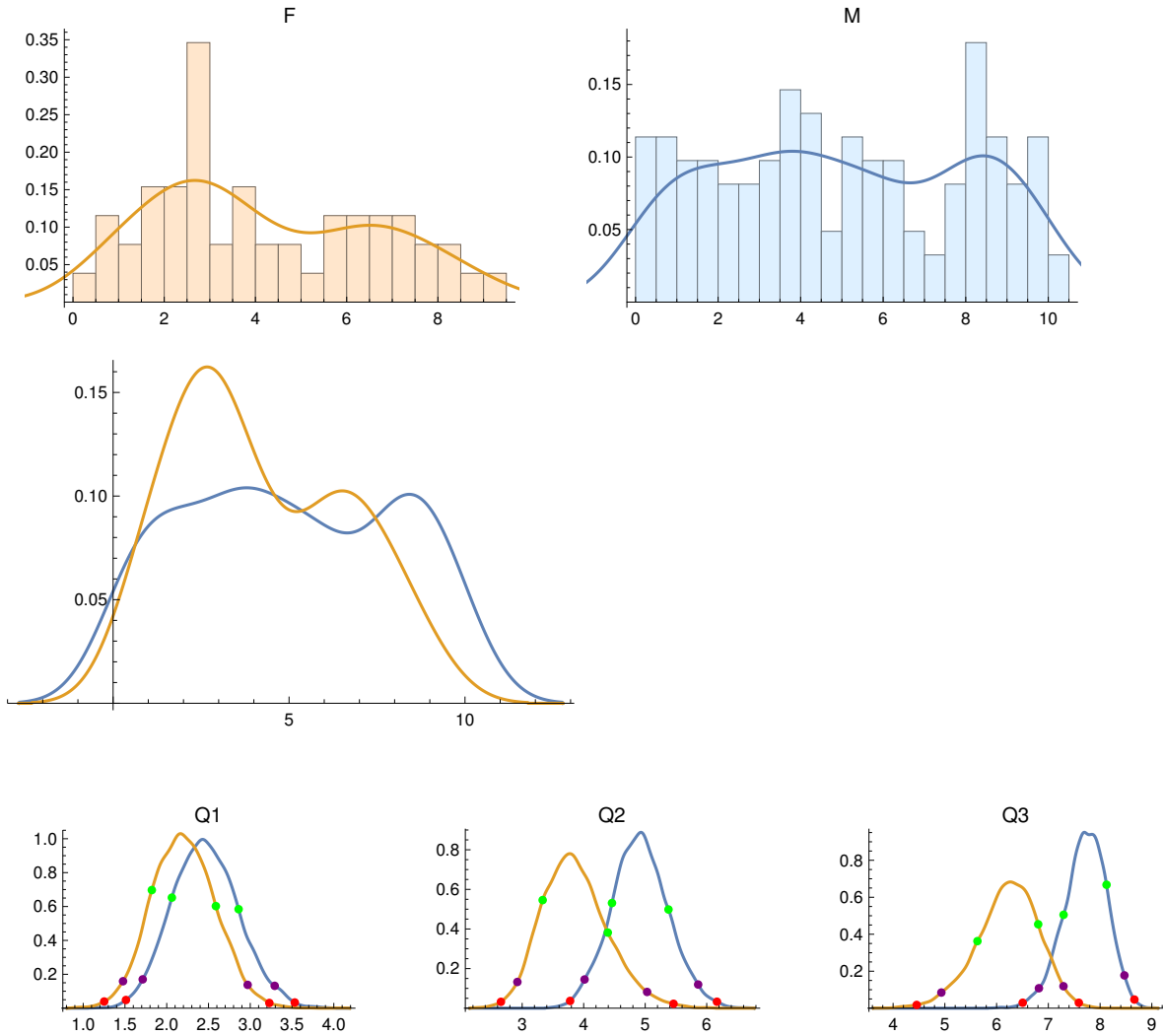
No. Female PIs = 52

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	2.062 2.86	1.712 3.293	1.512 3.533
Quartile 2	4.76	4.46 5.379	4.014 5.861	3.779 6.167
Quartile 3	8.108	7.295 8.125	6.818 8.47	6.505 8.663

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.435	1.821 2.588	1.477 2.969	1.251 3.228
Quartile 2	3.68	3.333 4.392	2.922 5.031	2.655 5.461
Quartile 3	6.27	5.63 6.804	4.933 7.293	4.456 7.589

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.02	0.5499 -0.55
Quartile 2	-1.08	0.7069 -0.7016
Quartile 3	-1.8375	0.7186 -0.725

{}

2014: GBT only

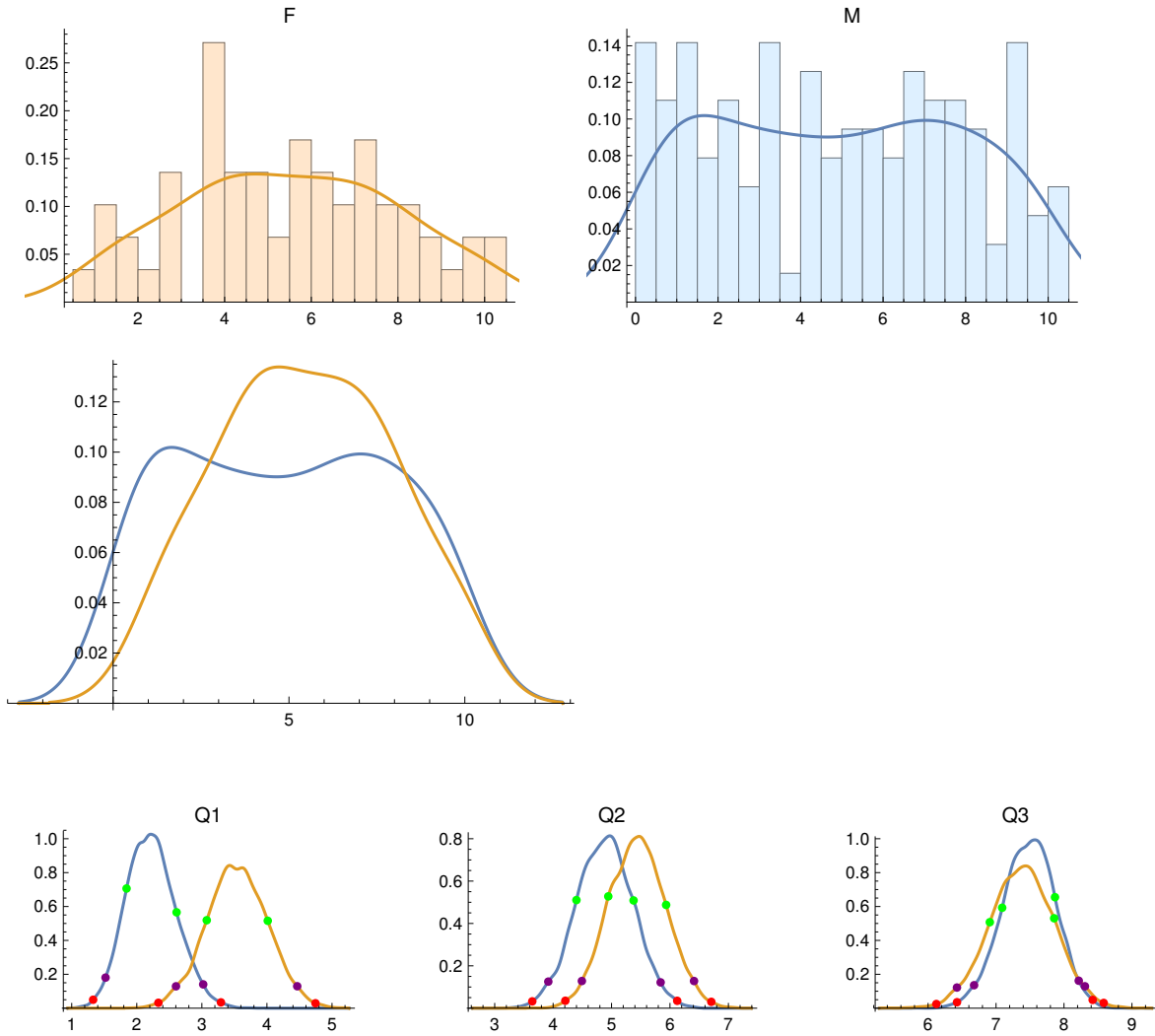
No. Female PIs = 59

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	1.843 2.612	1.52 3.021	1.329 3.293
Quartile 2	4.75	4.399 5.377	3.918 5.84	3.643 6.124
Quartile 3	7.415	7.09 7.868	6.677 8.217	6.425 8.422

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.678	3.075 4.013	2.603 4.465	2.332 4.746
Quartile 2	5.59	4.944 5.934	4.492 6.412	4.209 6.707
Quartile 3	7.268	6.908 7.855	6.425 8.308	6.122 8.584

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.5275	0.6109 -0.6107
Quartile 2	0.84	0.7014 -0.6963
Quartile 3	-0.1475	0.6118 -0.6198

{}

2015: GBT only

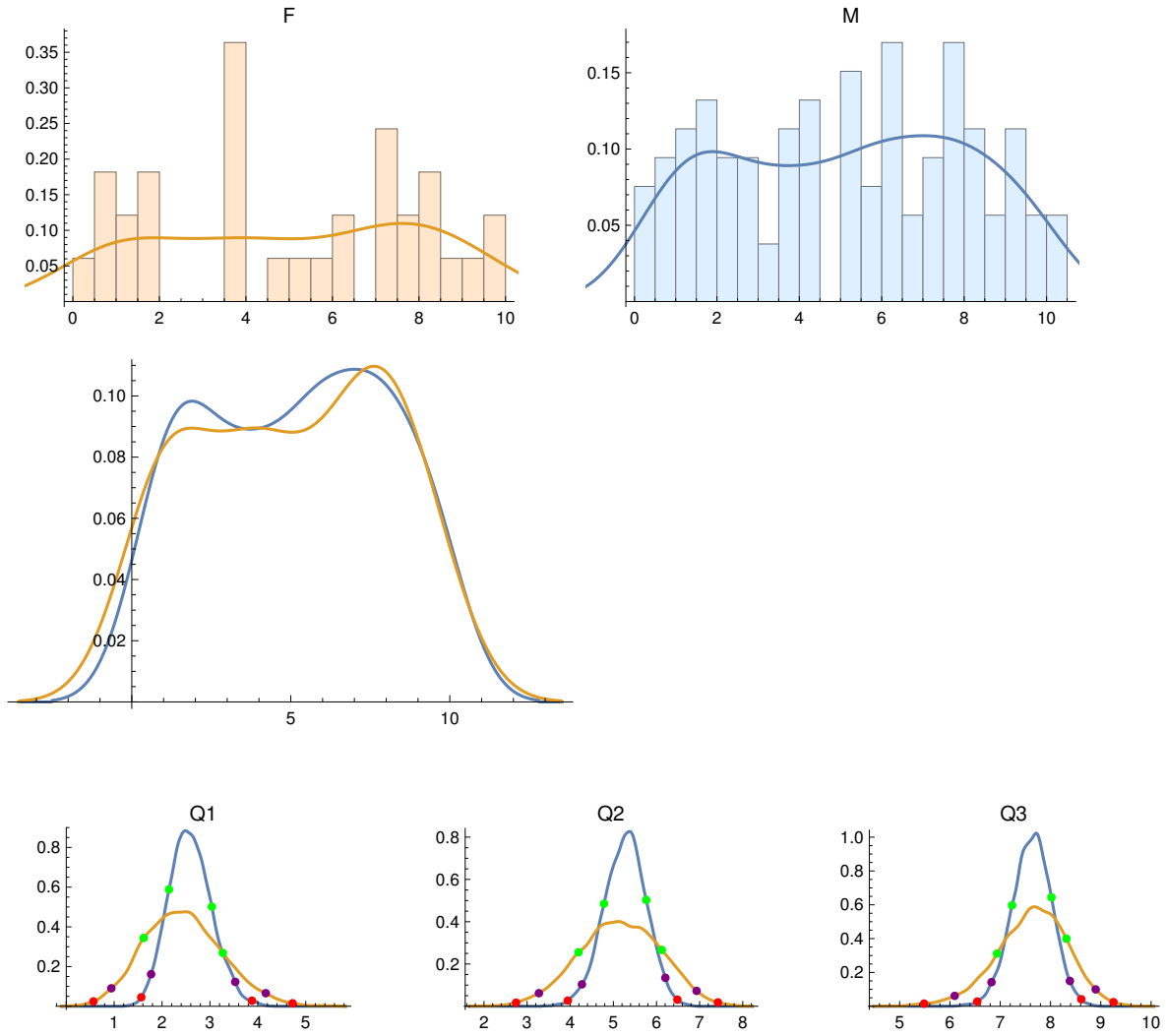
No. Female PIs = 33

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	2.145 3.04	1.771 3.528	1.566 3.878
Quartile 2	5.39	4.783 5.763	4.271 6.206	3.944 6.485
Quartile 3	7.58	7.236 8.019	6.827 8.385	6.544 8.611

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.73	1.617 3.269	0.941 4.165	0.567 4.724
Quartile 2	5.	4.192 6.124	3.273 6.93	2.744 7.424
Quartile 3	7.822	6.936 8.316	6.095 8.898	5.487 9.252

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.66	0.9339 -0.9308
Quartile 2	-0.39	1.0708 -1.0704
Quartile 3	0.2425	0.8041 -0.802

{}

2016: GBT only

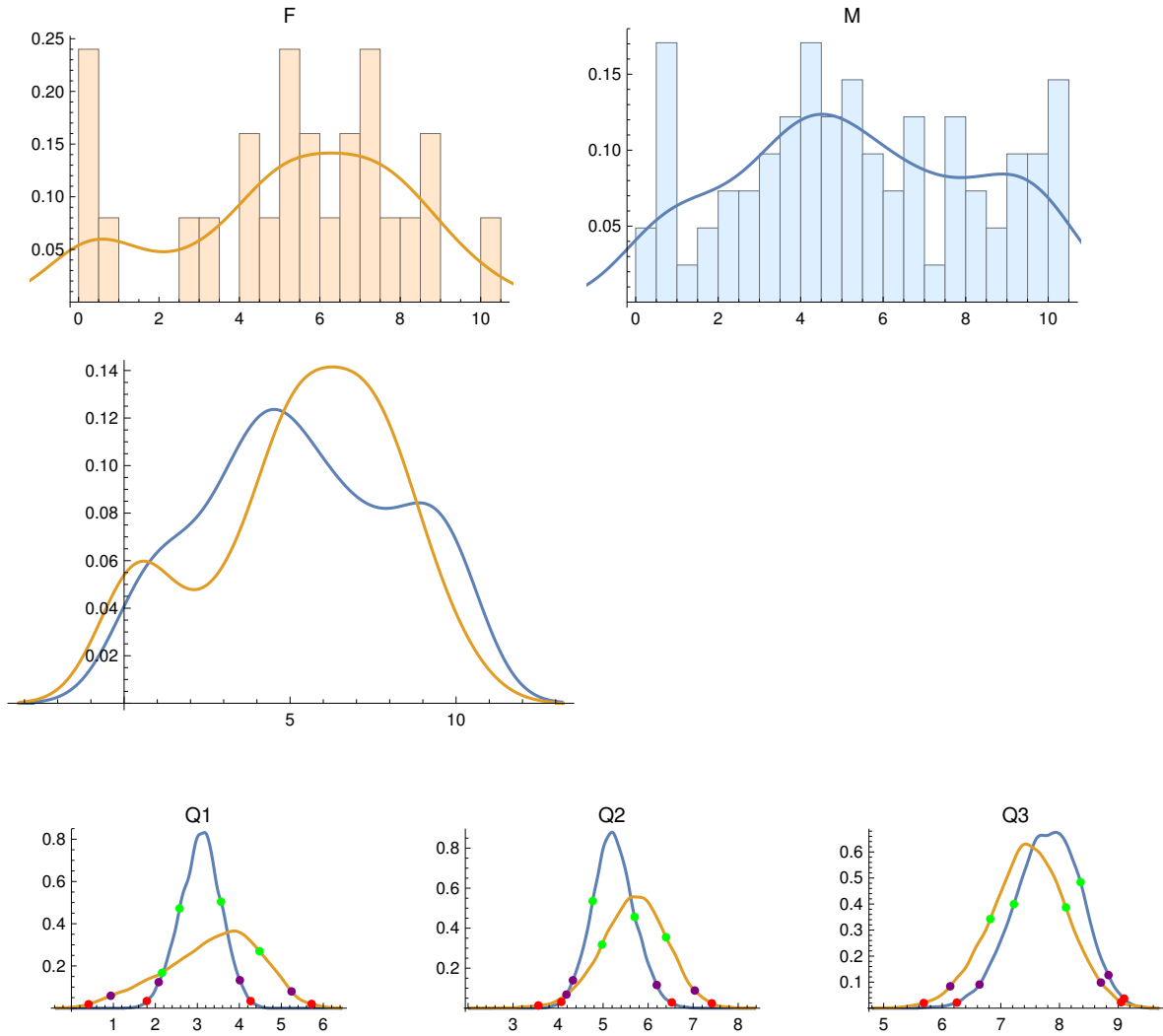
No. Female PIs = 25

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	2.576 3.565	2.079 4.012	1.795 4.269
Quartile 2	5.045	4.768 5.701	4.33 6.192	4.072 6.525
Quartile 3	7.67	7.222 8.36	6.636 8.836	6.249 9.102

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.935	2.16 4.481	0.937 5.244	0.41 5.722
Quartile 2	5.56	4.974 6.398	4.185 7.036	3.561 7.415
Quartile 3	7.385	6.819 8.11	6.136 8.706	5.684 9.051

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.605	1.2247 -1.2564
Quartile 2	0.515	0.8624 -0.8445
Quartile 3	-0.285	0.8464 -0.8601

{}

2017: GBT only

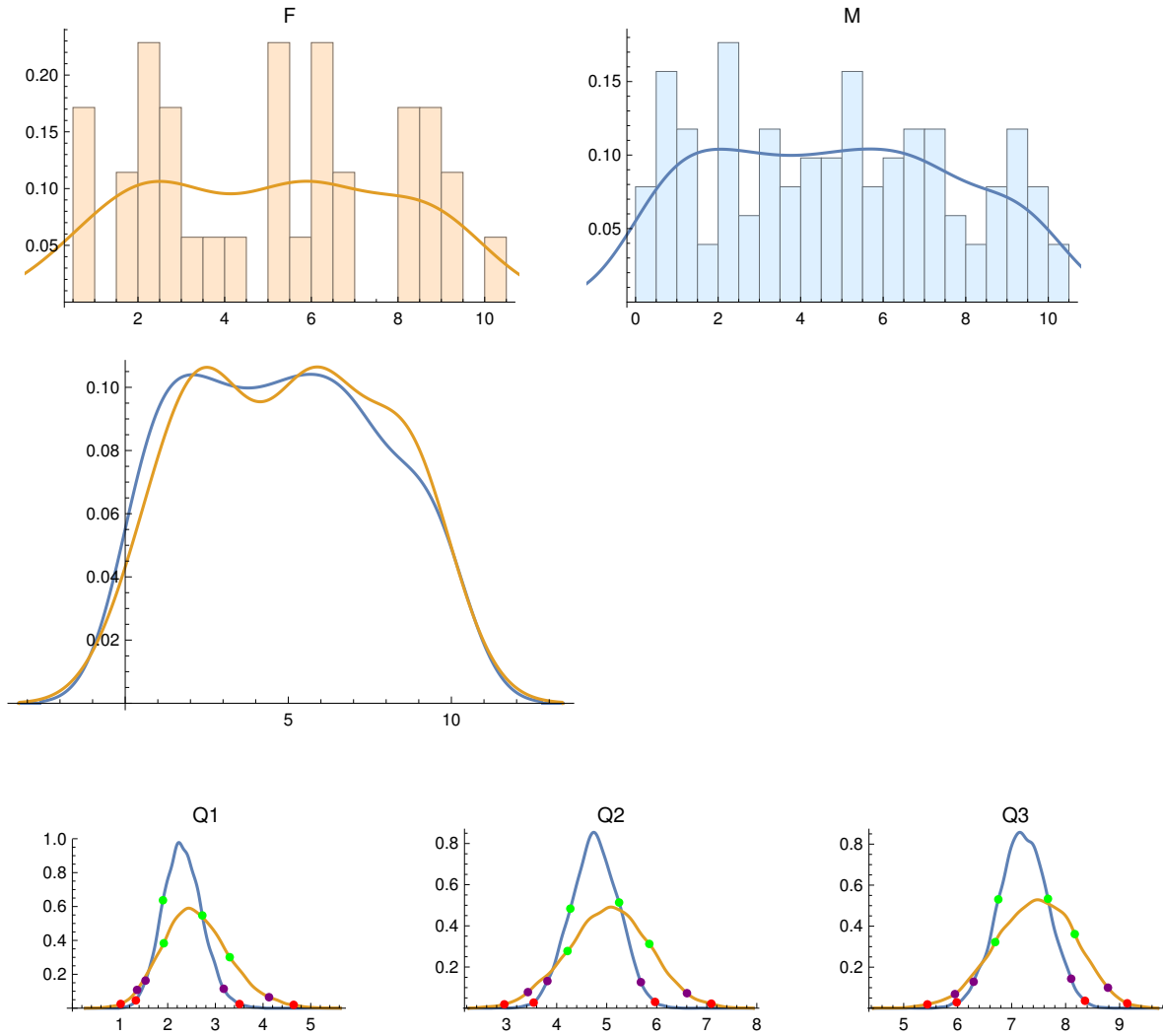
No. Female PIs = 35

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	1.9 2.726	1.535 3.175	1.332 3.506
Quartile 2	4.875	4.273 5.247	3.815 5.683	3.54 5.966
Quartile 3	7.07	6.753 7.673	6.296 8.103	5.982 8.359

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.402	1.918 3.301	1.358 4.125	1.013 4.642
Quartile 2	5.29	4.216 5.851	3.425 6.604	2.953 7.091
Quartile 3	7.818	6.695 8.169	5.95 8.784	5.439 9.142

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1825	0.8217 -0.8116
Quartile 2	0.415	0.9518 -0.9418
Quartile 3	0.7475	0.8657 -0.8713

{}

2018: GBT only

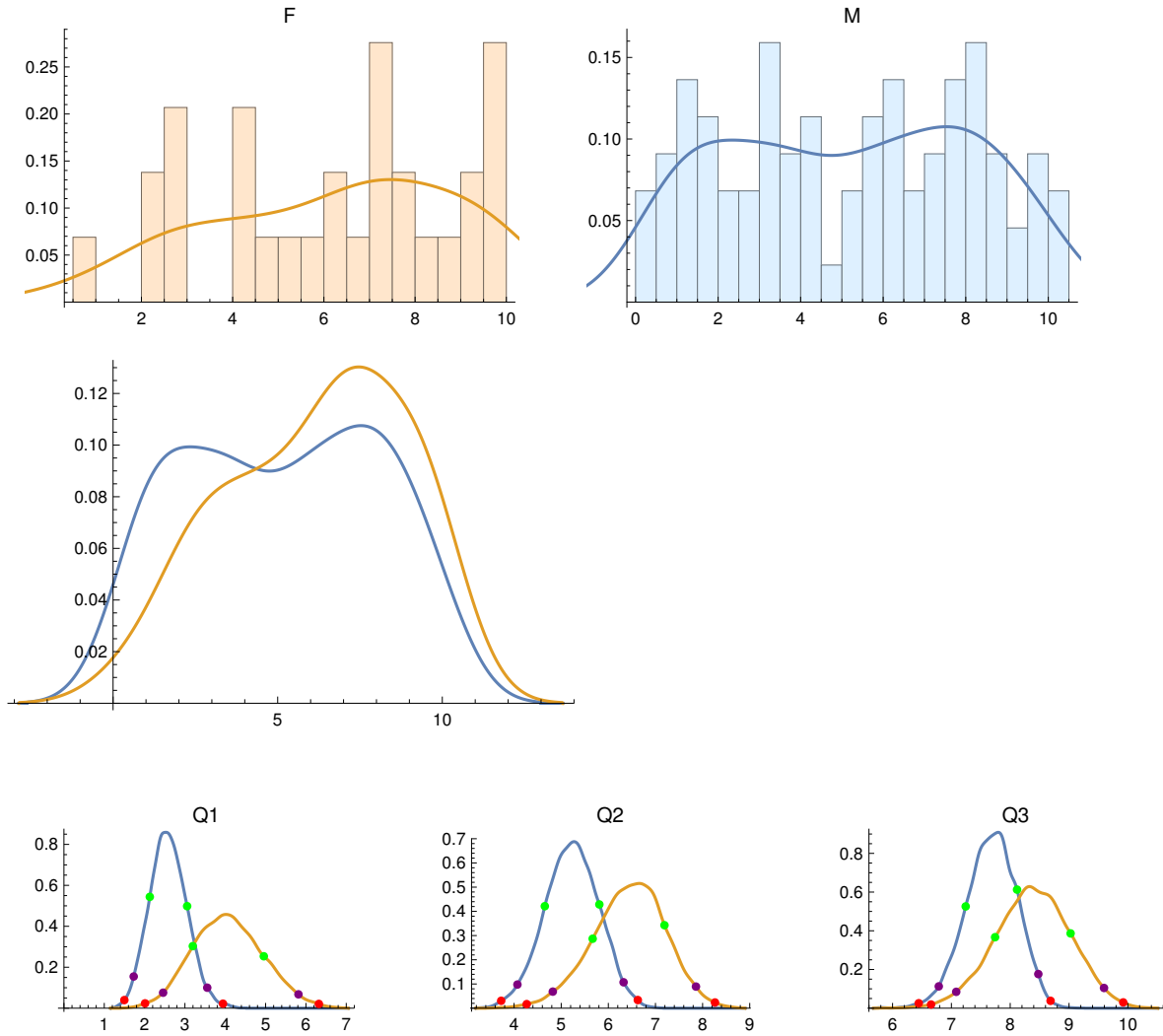
No. Female PIs = 29

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	2.129 3.055	1.73 3.553	1.498 3.943
Quartile 2	5.475	4.652 5.809	4.071 6.323	3.727 6.625
Quartile 3	7.605	7.243 8.116	6.786 8.478	6.445 8.686

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	4.138	3.196 4.956	2.46 5.815	2.011 6.321
Quartile 2	6.83	5.667 7.191	4.822 7.859	4.268 8.263
Quartile 3	8.38	7.743 9.027	7.082 9.595	6.654 9.922

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.4875	0.9854 -0.9874
Quartile 2	1.355	0.9656 -0.9703
Quartile 3	0.775	0.7764 -0.7668

{}

2019: GBT only

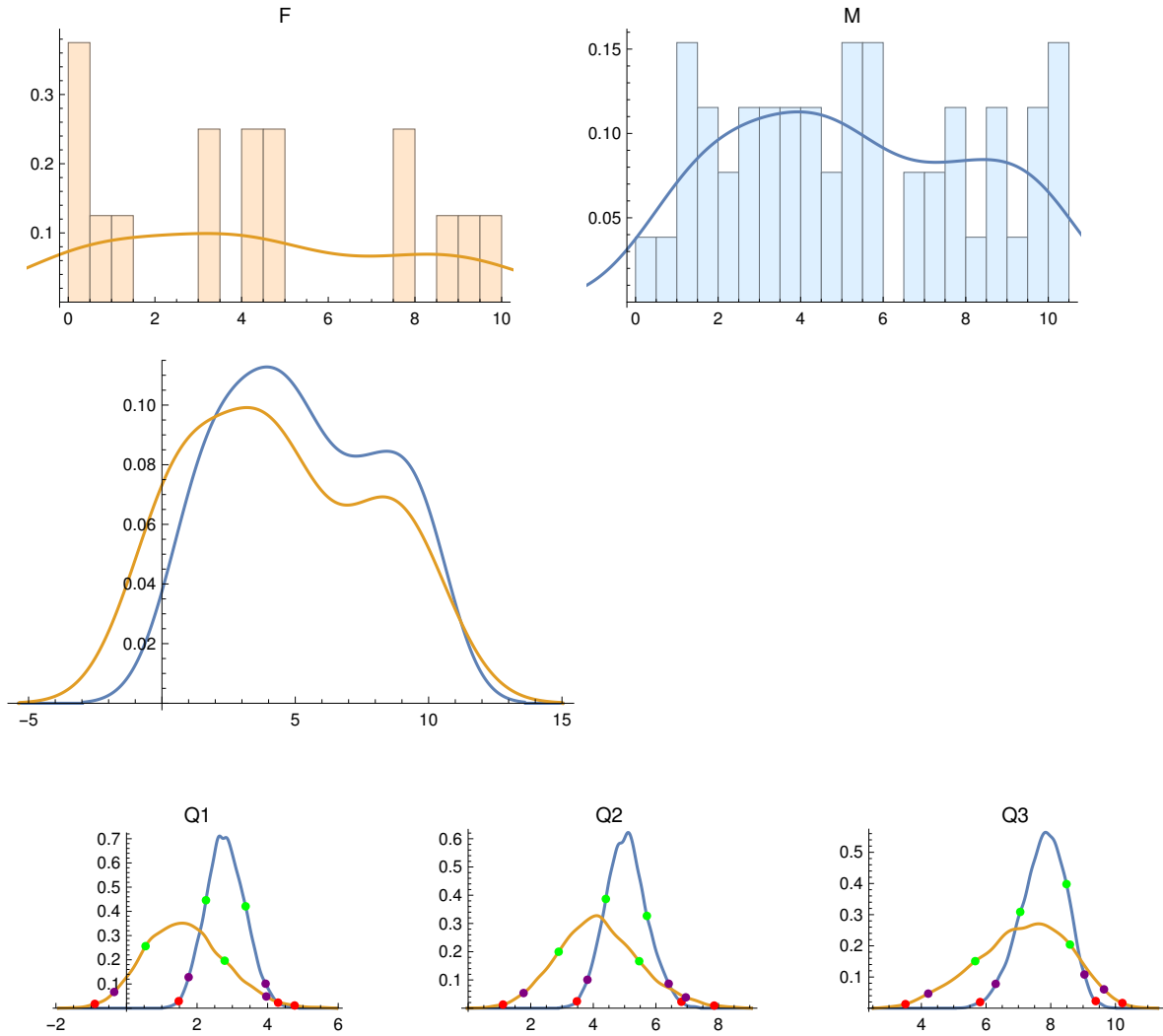
No. Female PIs = 16

No. Male PIs = 52

F PI Quartiles: {1.01, 4.26, 7.82}

M PI Quartiles: {2.865, 5., 7.625}

Anderson-Darling two-sample test p-value: 0.245284



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.865	2.252 3.376	1.761 3.942	1.481 4.296
Quartile 2	5.	4.401 5.712	3.812 6.409	3.475 6.816
Quartile 3	7.625	7.056 8.487	6.297 9.042	5.815 9.391

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.01	0.54 2.782	-0.348 3.962	-0.897 4.764
Quartile 2	4.26	2.893 5.466	1.772 6.956	1.113 7.864
Quartile 3	7.82	5.664 8.594	4.212 9.645	3.508 10.214

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-1.855	1.2429 -1.255
Quartile 2	-0.74	1.4743 -1.4816
Quartile 3	0.195	1.5844 -1.6311

{}

All Years, 2012-2019A: GBT only

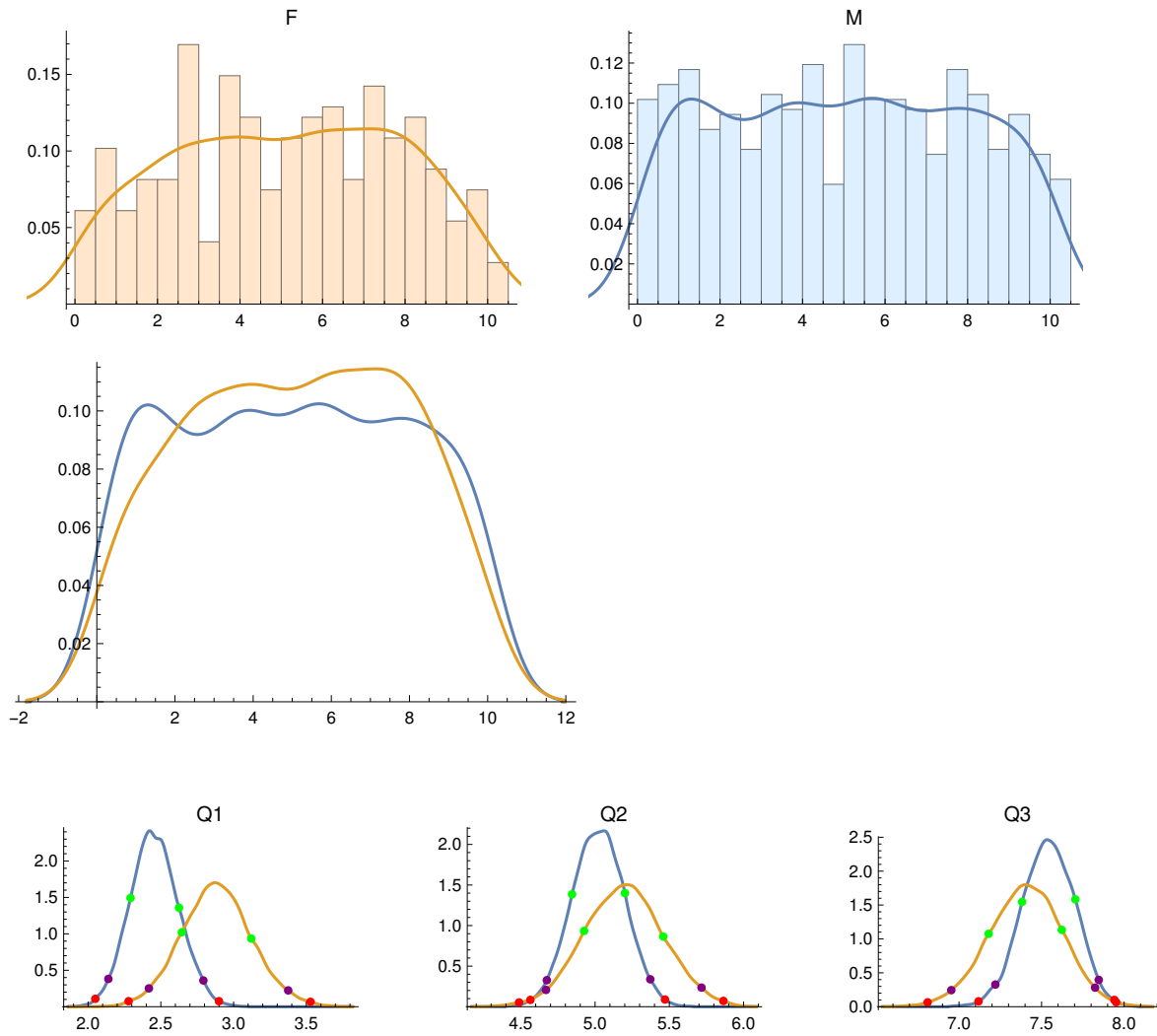
No. Female PIs = 295

No. Male PIs = 805

F PI Quartiles: {2.8, 5.29, 7.42}

M PI Quartiles: {2.4375, 5.08, 7.5525}

Anderson-Darling two-sample test p-value: 0.176009



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.438	2.292 2.625	2.139 2.792	2.05 2.9
Quartile 2	5.08	4.845 5.201	4.675 5.372	4.564 5.471
Quartile 3	7.552	7.382 7.704	7.22 7.846	7.118 7.941

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.8	2.644 3.122	2.418 3.375	2.278 3.529
Quartile 2	5.29	4.926 5.459	4.669 5.717	4.488 5.864
Quartile 3	7.42	7.18 7.622	6.953 7.824	6.81 7.952

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.3625	0.2925 -0.2936
Quartile 2	0.21	0.3234 -0.3209
Quartile 3	-0.1325	0.2765 -0.2734

{}

2012: VLBA only

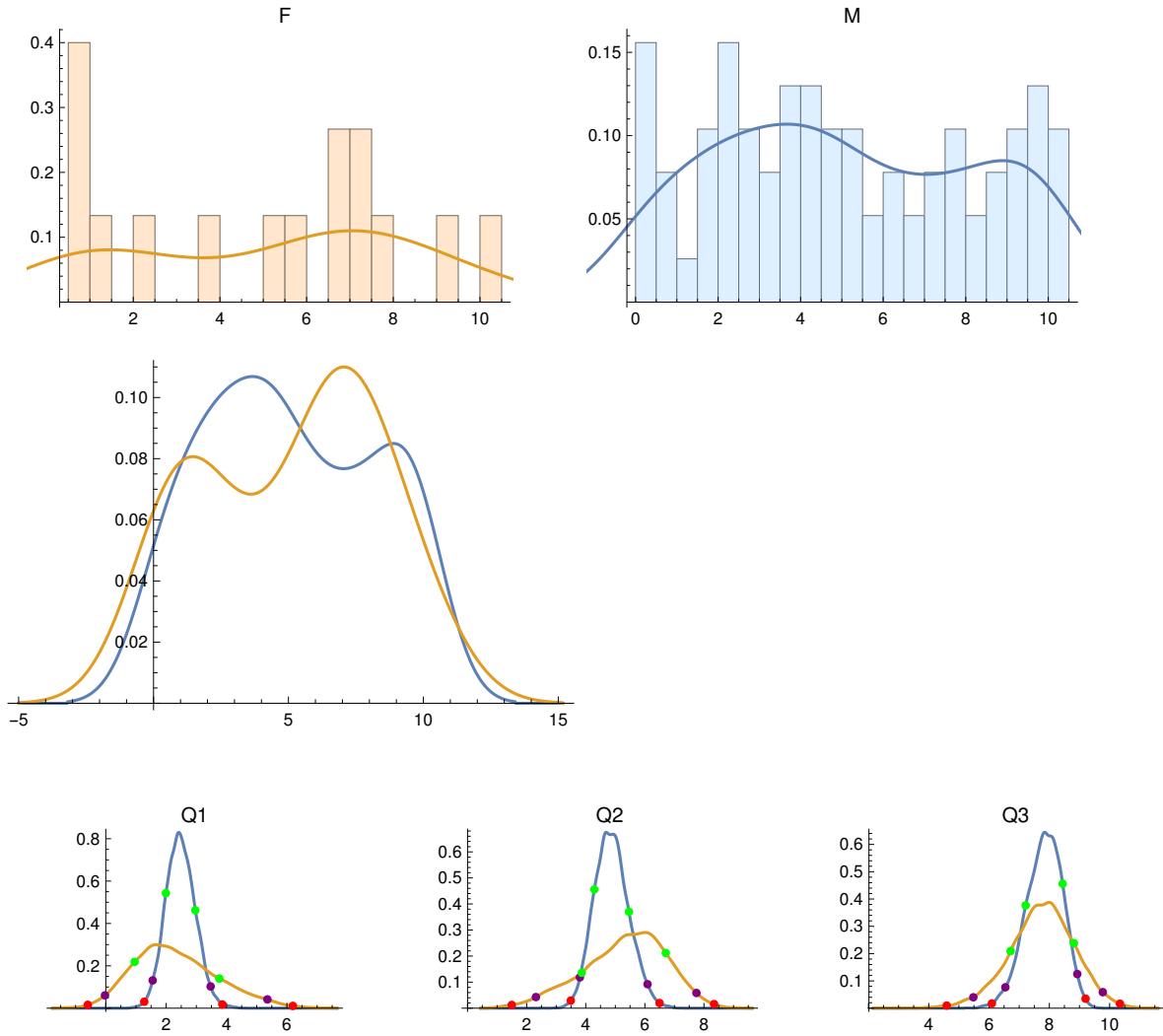
No. Female PIs = 15

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	1.992 2.968	1.553 3.473	1.274 3.862
Quartile 2	4.64	4.29 5.463	3.802 6.091	3.493 6.496
Quartile 3	7.745	7.215 8.441	6.541 8.927	6.094 9.201

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.53	0.955 3.762	-0.027 5.355	-0.596 6.197
Quartile 2	5.87	3.865 6.708	2.314 7.746	1.496 8.342
Quartile 3	7.45	6.715 8.813	5.479 9.774	4.596 10.342

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.805	1.4964 -1.4517
Quartile 2	1.23	1.519 -1.5516
Quartile 3	-0.295	1.223 -1.2086

{}

2013: VLBA only

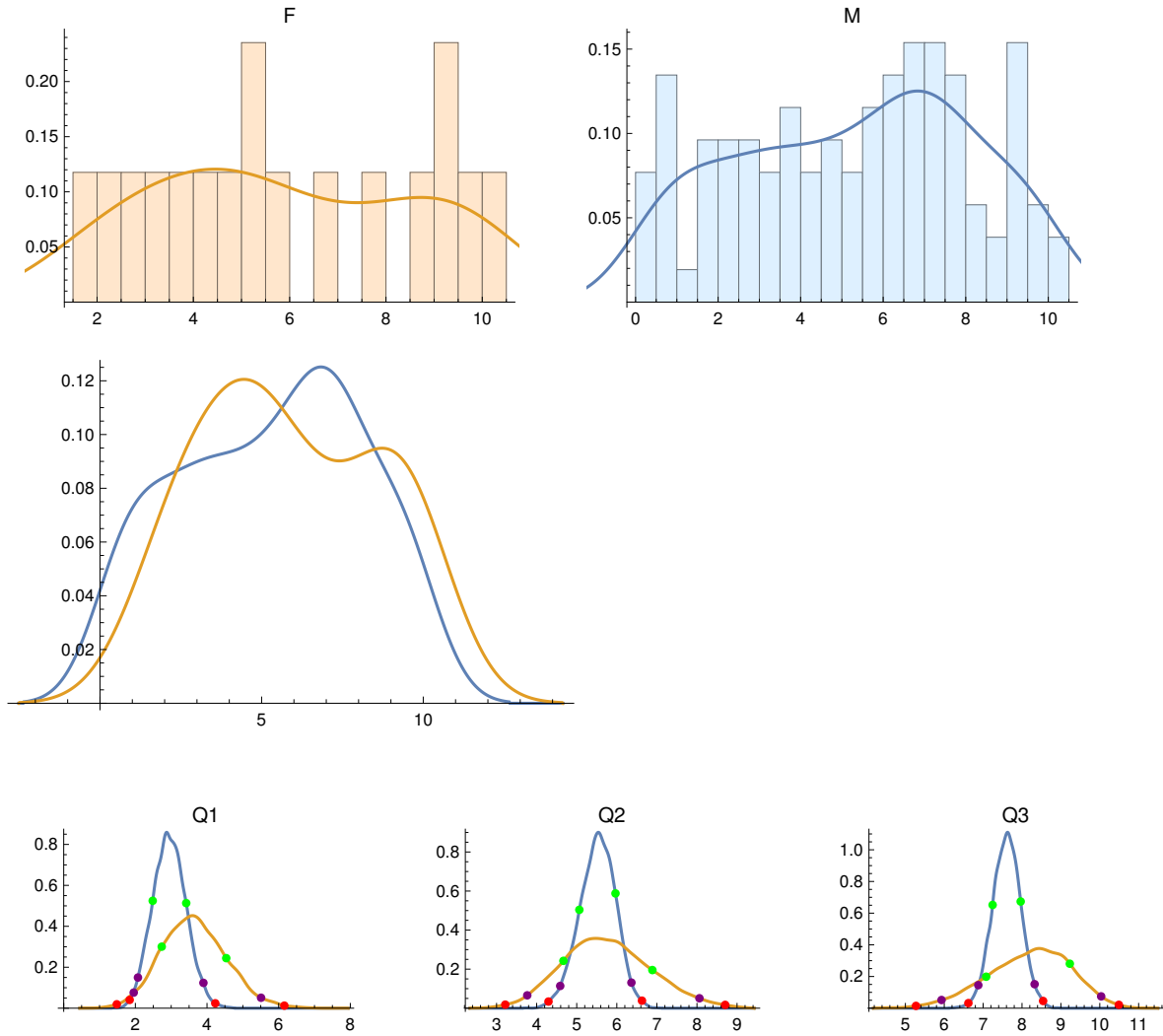
No. Female PIs = 17

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	2.484 3.419	2.072 3.9	1.841 4.231
Quartile 2	5.645	5.066 5.967	4.588 6.365	4.296 6.628
Quartile 3	7.385	7.244 7.966	6.876 8.324	6.621 8.543

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.782	2.736 4.537	1.954 5.509	1.482 6.159
Quartile 2	5.31	4.668 6.888	3.766 8.062	3.218 8.705
Quartile 3	8.695	7.078 9.23	5.93 10.036	5.273 10.491

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.8075	1.0153 -0.9978
Quartile 2	-0.335	1.1965 -1.1863
Quartile 3	1.31	1.1202 -1.1465

{}

2014: VLBA only

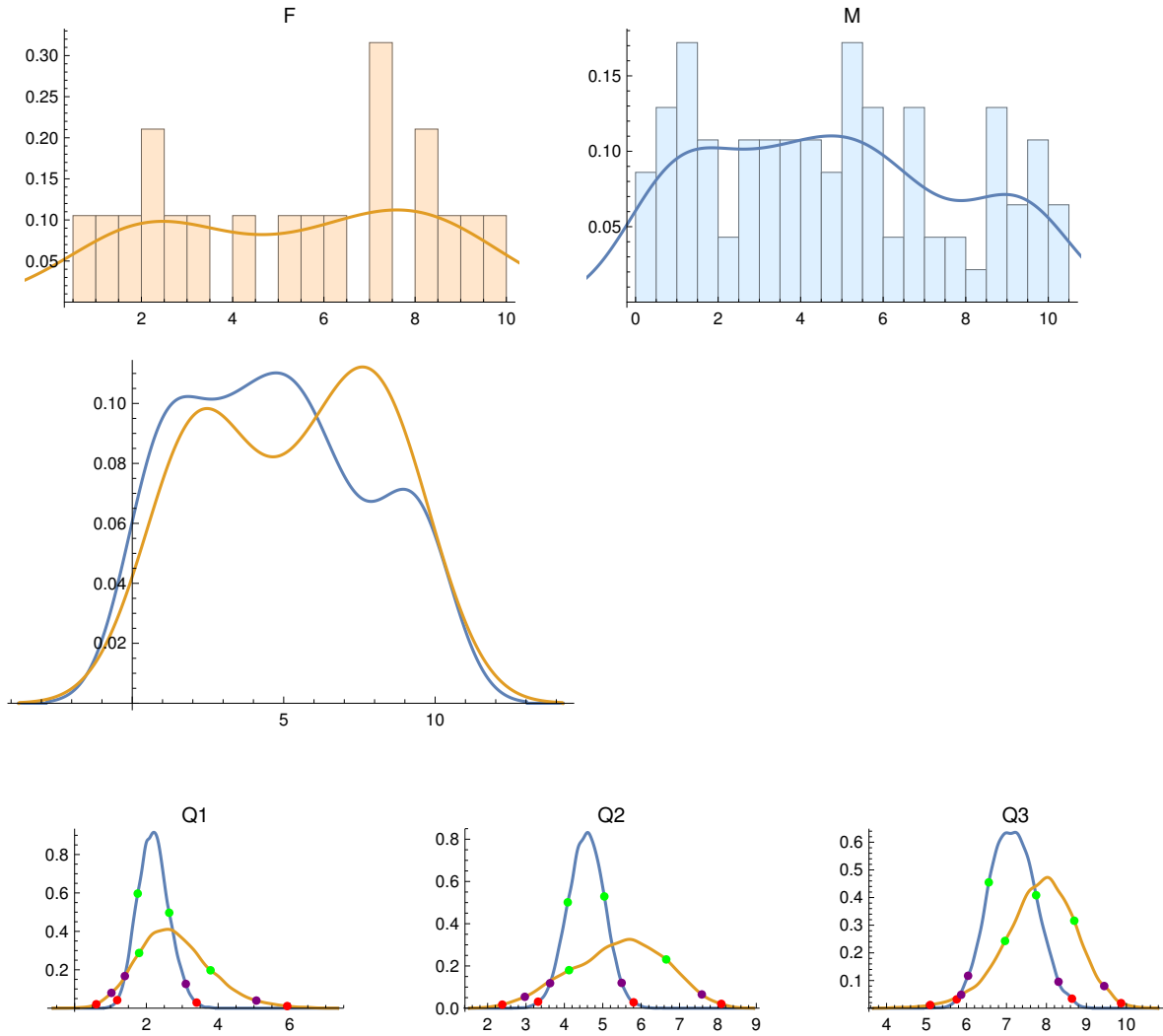
No. Female PIs = 19

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	1.759 2.637	1.401 3.1	1.188 3.401
Quartile 2	4.6	4.088 5.041	3.627 5.492	3.315 5.803
Quartile 3	6.818	6.558 7.741	6.039 8.302	5.755 8.638

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.455	1.798 3.789	1.026 5.066	0.604 5.926
Quartile 2	5.56	4.121 6.653	2.97 7.58	2.381 8.089
Quartile 3	7.865	6.964 8.696	5.867 9.445	5.092 9.867

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.36	1.0879 -1.0794
Quartile 2	0.96	1.3248 -1.3568
Quartile 3	1.0475	1.0613 -1.0414

{}

2015: VLBA only

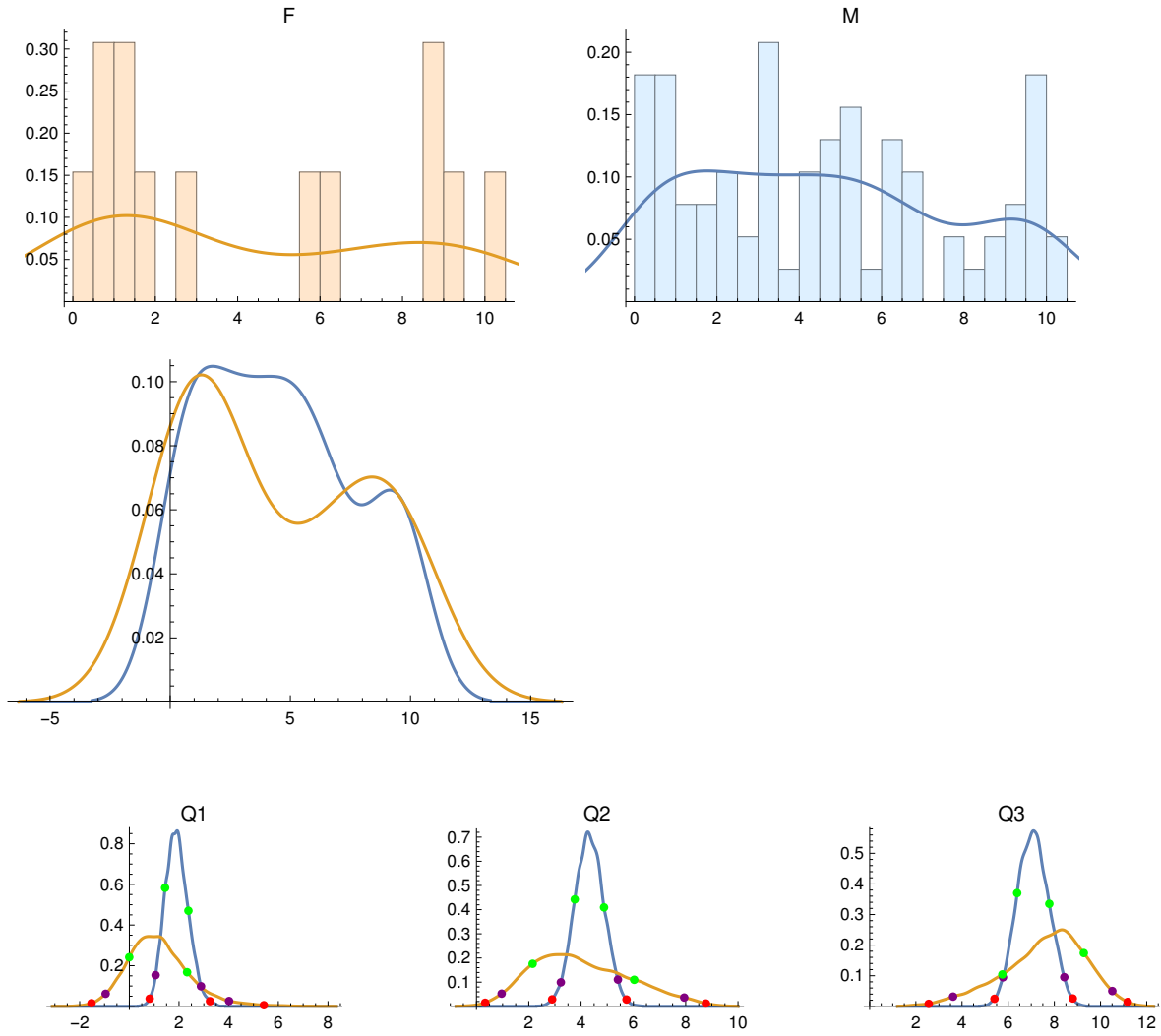
No. Female PIs = 13

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	1.44 2.379	1.057 2.886	0.818 3.249
Quartile 2	4.44	3.758 4.878	3.227 5.409	2.894 5.739
Quartile 3	6.695	6.39 7.782	5.774 8.43	5.407 8.799

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.038	-0.003 2.326	-0.955 4.017	-1.524 5.417
Quartile 2	2.58	2.148 6.031	0.964 7.944	0.334 8.774
Quartile 3	8.642	5.747 9.275	3.614 10.509	2.557 11.176

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.8875	1.2386 -1.254
Quartile 2	-1.86	2.0532 -1.9476
Quartile 3	1.9475	1.876 -1.9415

{}

2016: VLBA only

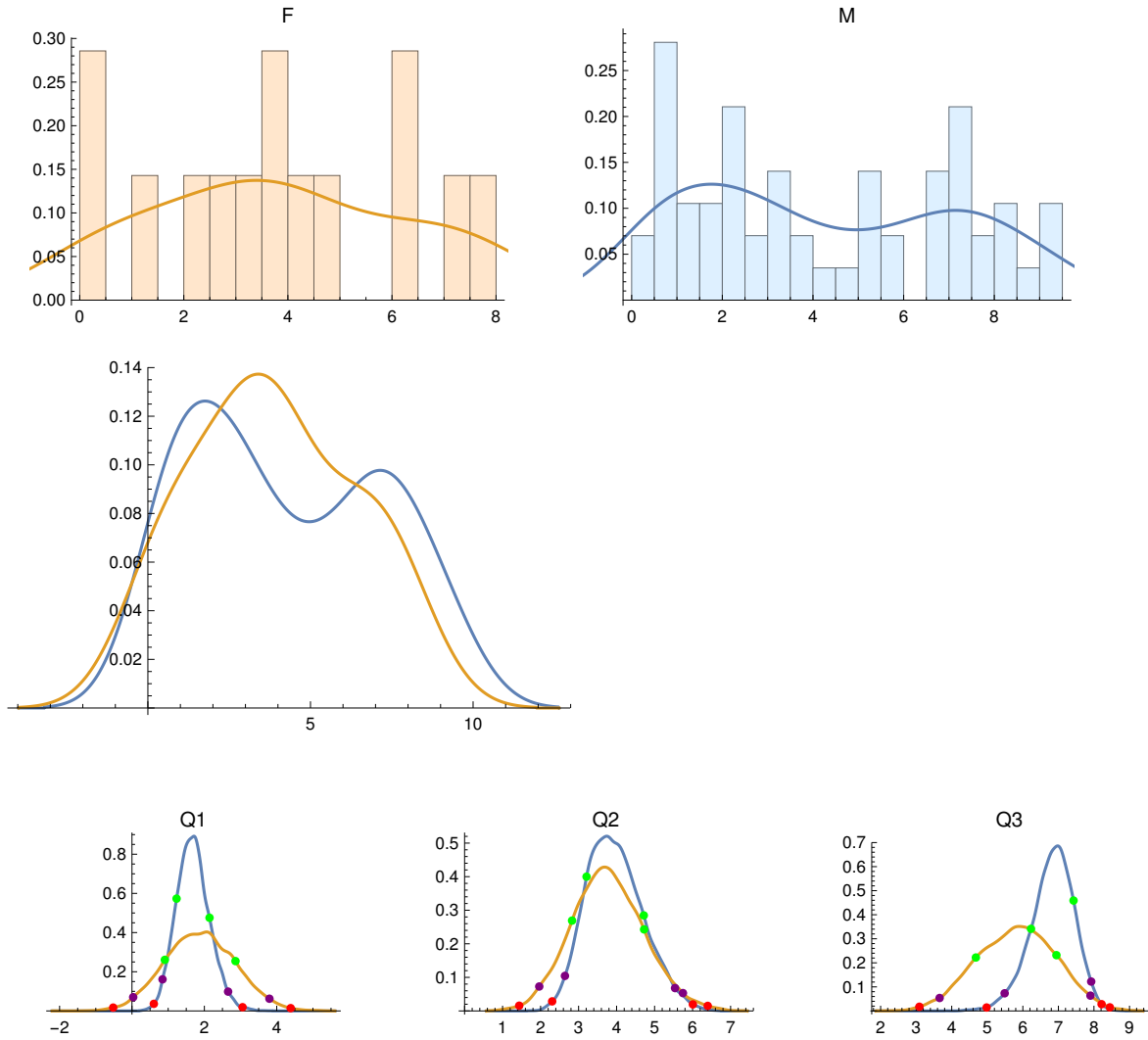
No. Female PIs = 14

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	1.232 2.143	0.844 2.657	0.604 3.056
Quartile 2	3.67	3.209 4.716	2.641 5.538	2.304 6.007
Quartile 3	7.	6.23 7.426	5.488 7.923	4.981 8.215

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.	0.908 2.86	0.034 3.798	-0.519 4.386
Quartile 2	3.71	2.828 4.723	1.965 5.745	1.438 6.398
Quartile 3	6.32	4.679 6.944	3.659 7.901	3.09 8.447

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.3425	1.0827 -1.0773
Quartile 2	0.04	1.218 -1.2096
Quartile 3	-0.68	1.2752 -1.2696

{}

2017: VLBA only

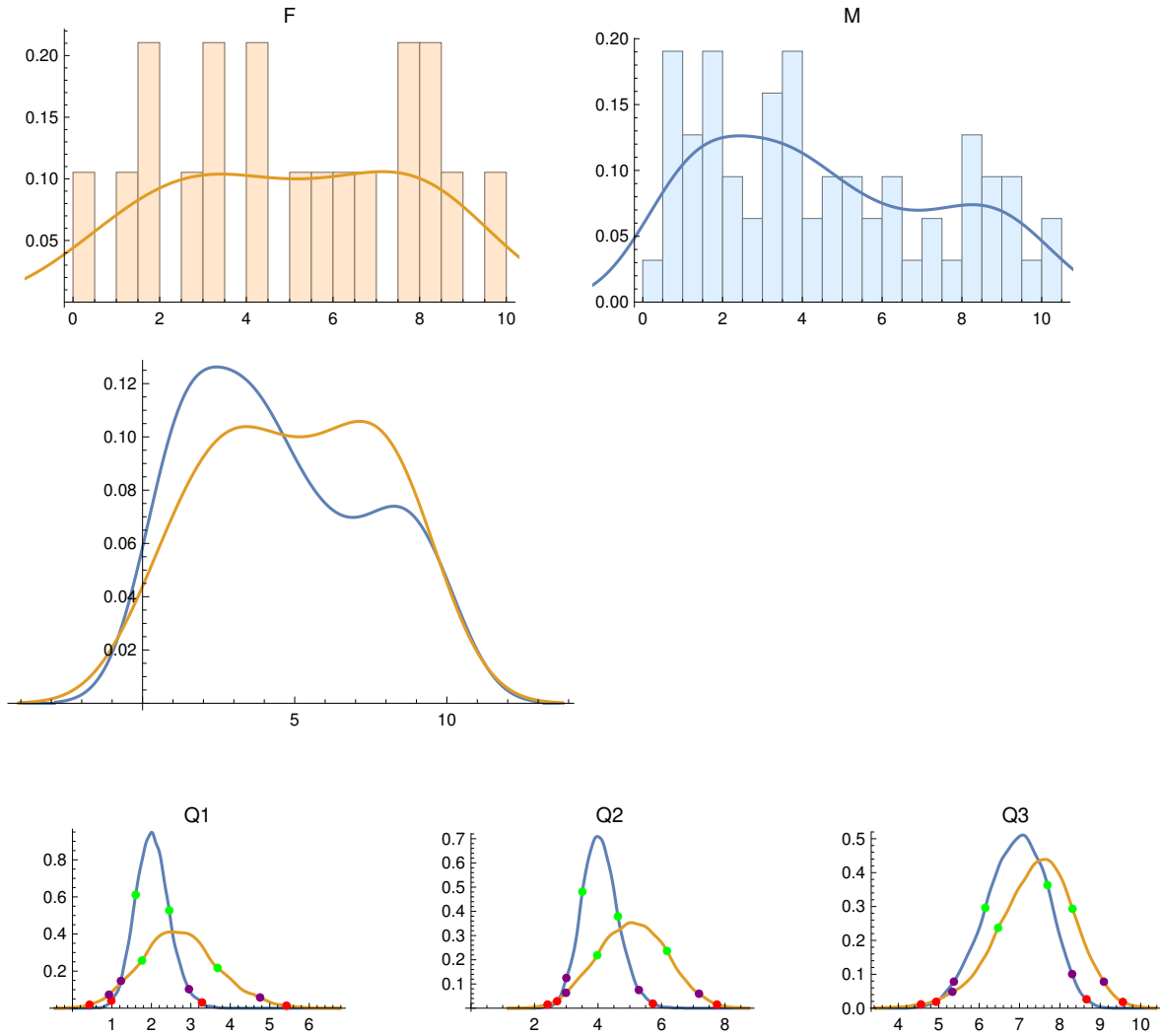
No. Female PIs = 19

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	1.602 2.452	1.227 2.951	0.984 3.283
Quartile 2	3.86	3.507 4.627	3.003 5.285	2.712 5.727
Quartile 3	7.087	6.152 7.693	5.374 8.304	4.935 8.66

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.84	1.761 3.677	0.925 4.755	0.432 5.423
Quartile 2	5.25	3.975 6.172	2.991 7.18	2.411 7.747
Quartile 3	7.792	6.47 8.313	5.336 9.089	4.557 9.559

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.9825	1.0627 -1.0661
Quartile 2	1.39	1.2359 -1.2409
Quartile 3	0.705	1.1989 -1.1885

{}

2018: VLBA only

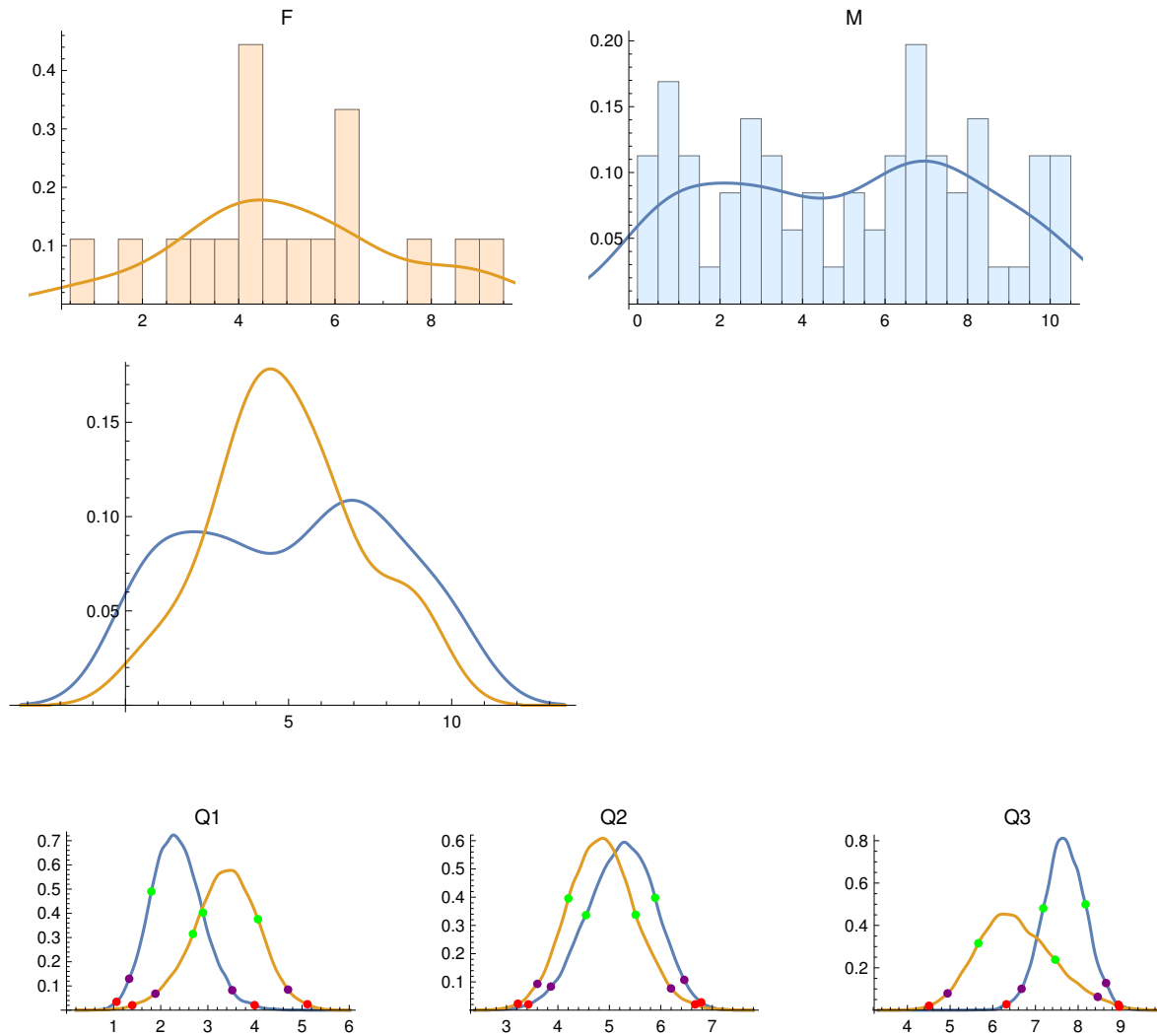
No. Female PIs = 18

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	1.801 2.897	1.33 3.517	1.06 3.993
Quartile 2	5.33	4.545 5.889	3.863 6.456	3.426 6.785
Quartile 3	7.618	7.182 8.173	6.675 8.654	6.319 8.943

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.58	2.683 4.063	1.887 4.702	1.395 5.114
Quartile 2	4.55	4.203 5.51	3.601 6.198	3.221 6.666
Quartile 3	6.27	5.662 7.463	4.941 8.458	4.505 8.963

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.1	0.8847 -0.8924
Quartile 2	-0.78	0.9432 -0.9262
Quartile 3	-1.3475	1.0298 -1.0134

{}

2019: VLBA only

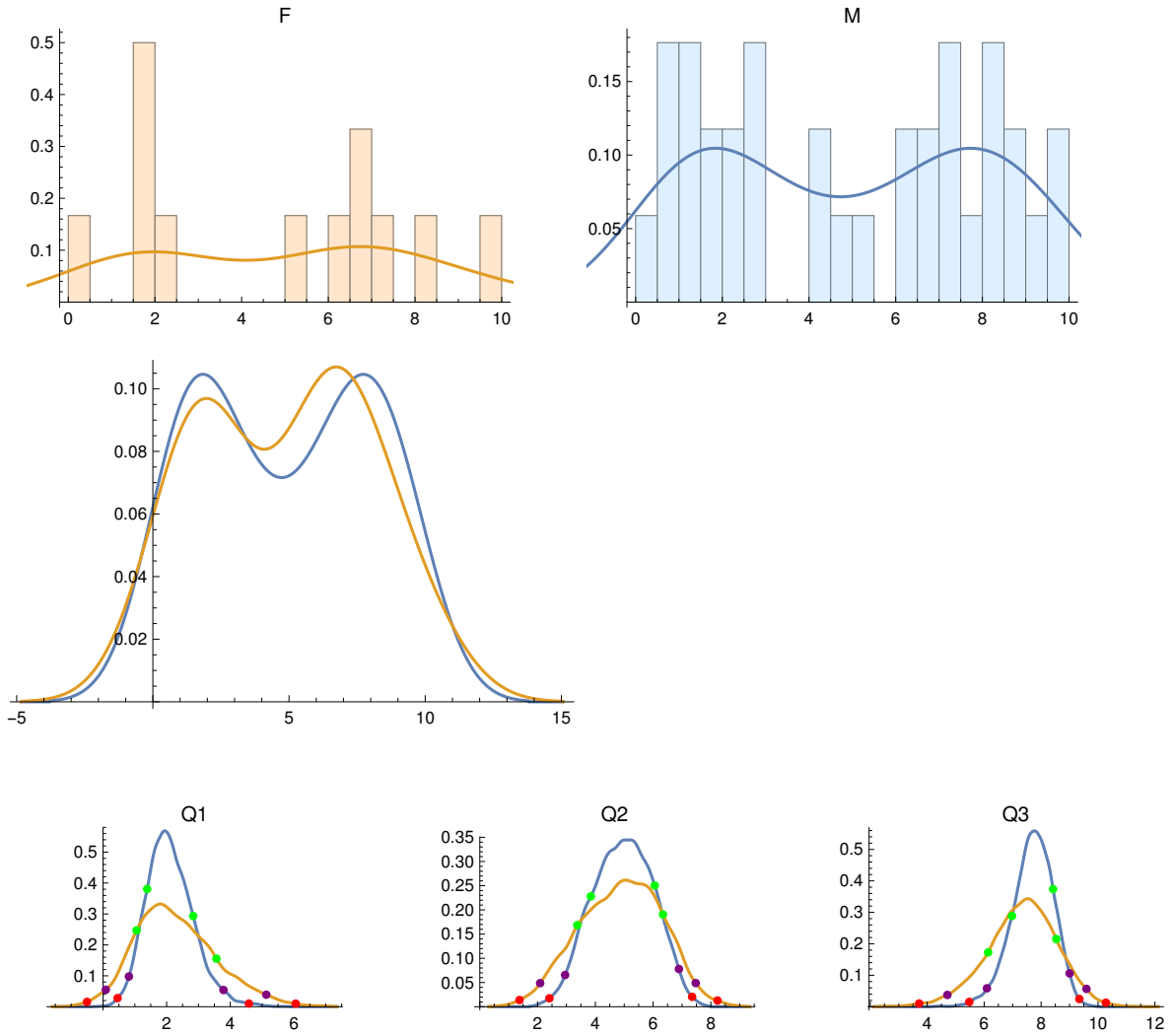
No. Female PIs = 12

No. Male PIs = 34

F PI Quartiles: {1.85, 5.61, 6.985}

M PI Quartiles: {1.91, 4.795, 7.97}

Anderson-Darling two-sample test p-value: 0.917598



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.91	1.388 2.834	0.814 3.786	0.456 4.586
Quartile 2	4.795	3.847 6.057	2.953 6.895	2.411 7.351
Quartile 3	7.97	6.979 8.421	6.097 9.001	5.477 9.343

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	1.85	1.055 3.565	0.088 5.132	-0.505 6.057
Quartile 2	5.61	3.375 6.343	2.09 7.477	1.376 8.23
Quartile 3	6.985	6.139 8.533	4.709 9.594	3.716 10.276

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.06	1.4639 -1.4344
Quartile 2	0.815	1.7946 -1.8037
Quartile 3	-0.985	1.3983 -1.3955

{}

All Years, 2012-2019A: VLBA only

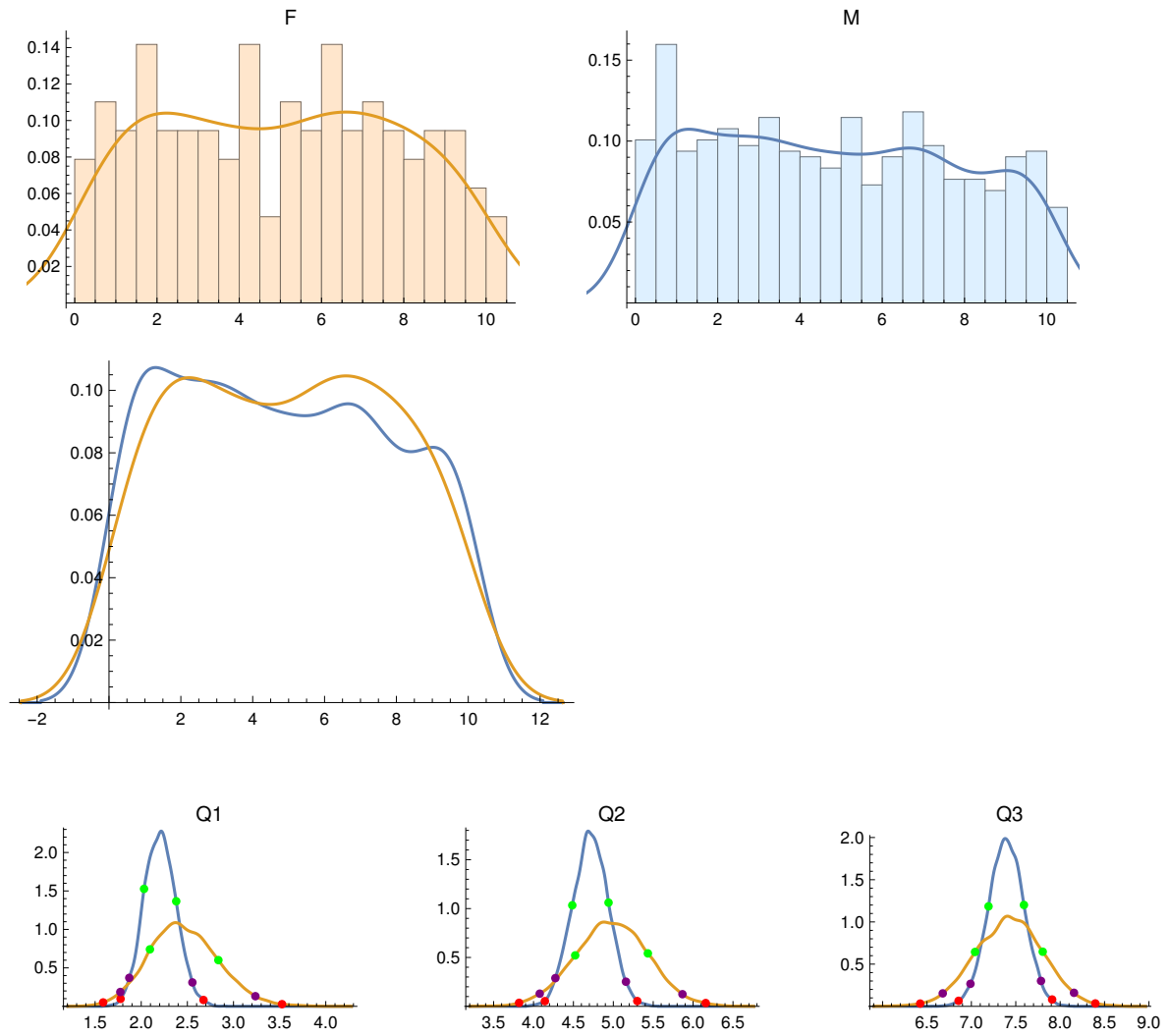
No. Female PIs = 127

No. Male PIs = 576

F PI Quartiles: {2.3925, 5., 7.455}

M PI Quartiles: {2.155, 4.68, 7.305}

Anderson-Darling two-sample test p-value: 0.834147



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.155	2.03 2.379	1.87 2.554	1.776 2.675
Quartile 2	4.68	4.486 4.94	4.274 5.158	4.142 5.3
Quartile 3	7.305	7.193 7.592	6.99 7.784	6.856 7.91

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.392	2.094 2.836	1.773 3.237	1.587 3.526
Quartile 2	5.	4.522 5.433	4.078 5.867	3.819 6.158
Quartile 3	7.455	7.041 7.804	6.677 8.156	6.423 8.396

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.2375	0.4148 -0.4114
Quartile 2	0.32	0.5047 -0.5139
Quartile 3	0.15	0.4344 -0.433

{}

Cycle 12A: GBT, VLA, and VLBA

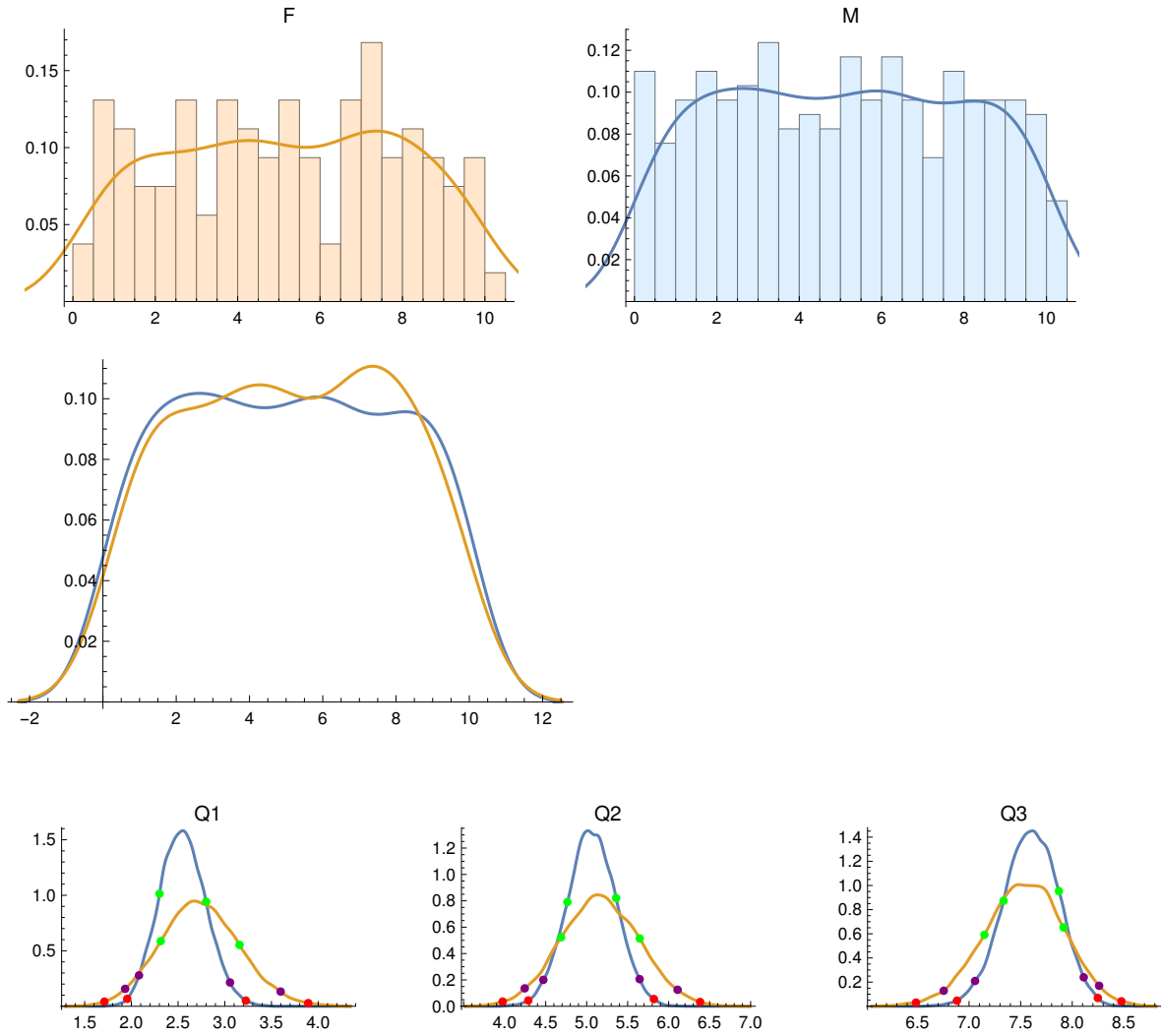
No. Female PIs = 107

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	2.302 2.8	2.082 3.056	1.956 3.226
Quartile 2	5.08	4.765 5.36	4.472 5.646	4.288 5.82
Quartile 3	7.65	7.335 7.871	7.058 8.111	6.883 8.248

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.702	2.315 3.158	1.933 3.598	1.711 3.894
Quartile 2	5.22	4.688 5.647	4.244 6.109	3.975 6.384
Quartile 3	7.45	7.149 7.916	6.754 8.261	6.485 8.477

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.1825	0.4895 -0.4924
Quartile 2	0.14	0.566 -0.5658
Quartile 3	-0.2	0.4653 -0.4638

{}

Cycle 12B: GBT, VLA, and VLBA

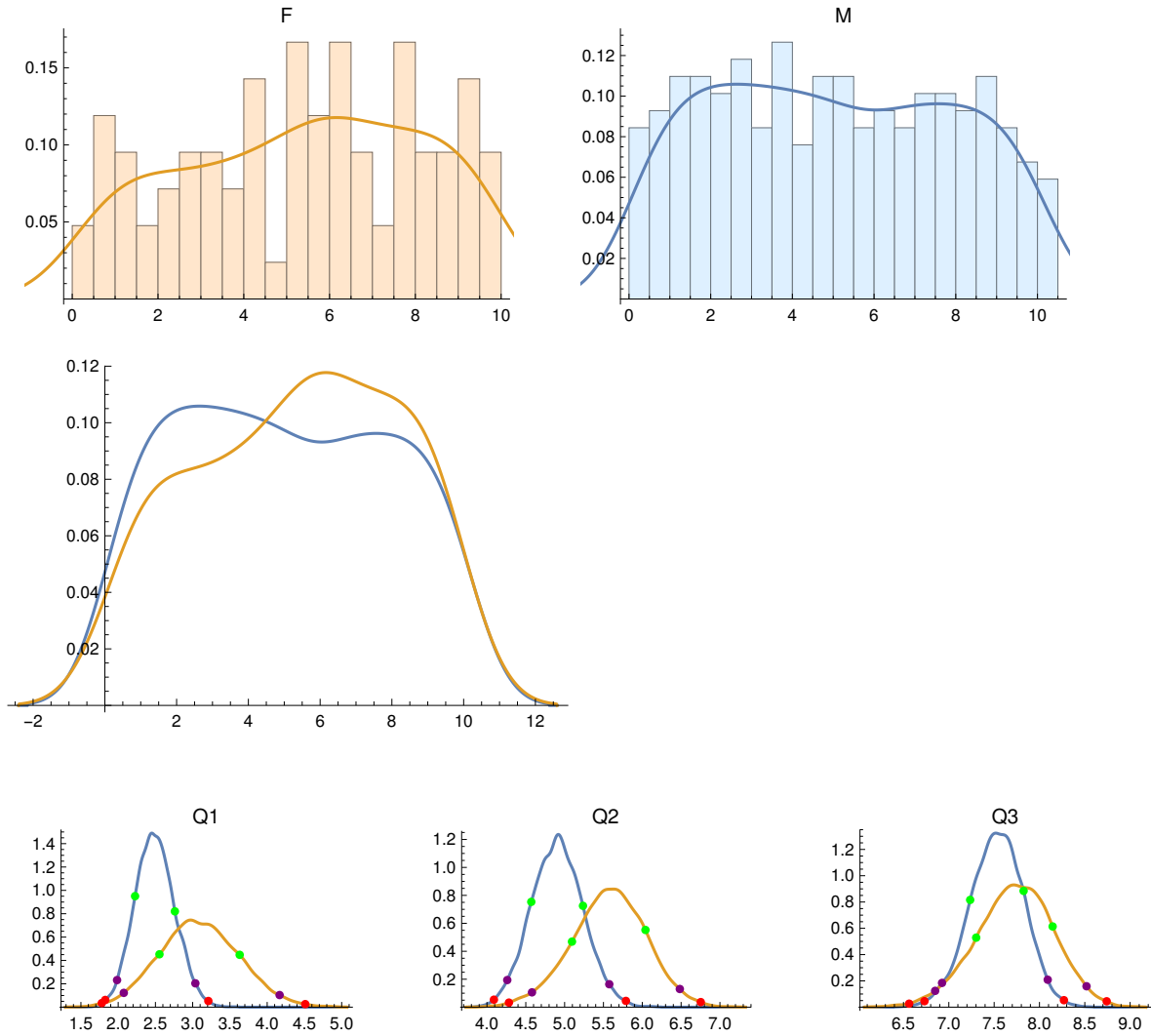
No. Female PIs = 84

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	2.227 2.761	1.985 3.036	1.826 3.21
Quartile 2	4.85	4.571 5.236	4.262 5.575	4.09 5.789
Quartile 3	7.5	7.235 7.825	6.925 8.091	6.731 8.27

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.195	2.554 3.631	2.075 4.167	1.78 4.511
Quartile 2	5.725	5.095 6.041	4.58 6.483	4.283 6.753
Quartile 3	7.755	7.302 8.145	6.849 8.519	6.562 8.741

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.705	0.5963 -0.5985
Quartile 2	0.875	0.5788 -0.5885
Quartile 3	0.255	0.5185 -0.5174

{}

Cycle 13A: GBT, VLA, and VLBA

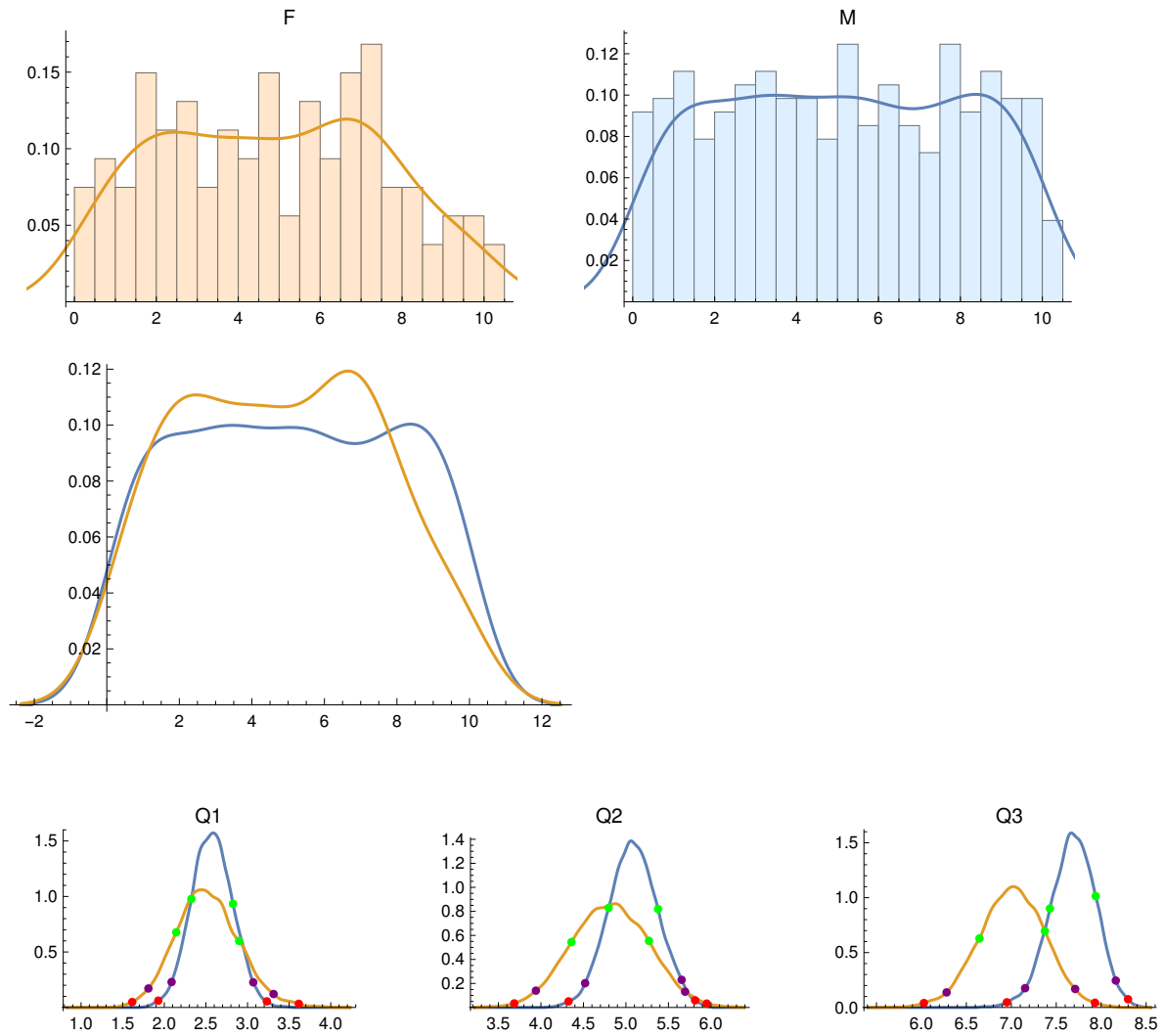
No. Female PIs = 107

No. Male PIs = 305

F PI Quartiles: {2.42, 4.69, 6.995}

M PI Quartiles: {2.5375, 5.12, 7.755}

Anderson-Darling two-sample test p-value: 0.336605



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.537	2.325 2.826	2.088 3.069	1.928 3.232
Quartile 2	5.12	4.797 5.378	4.52 5.655	4.325 5.813
Quartile 3	7.755	7.43 7.939	7.154 8.163	6.951 8.299

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.42	2.143 2.899	1.809 3.313	1.615 3.616
Quartile 2	4.69	4.359 5.271	3.941 5.695	3.686 5.95
Quartile 3	6.995	6.646 7.373	6.28 7.711	6.028 7.931

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.1175	0.453 -0.4504
Quartile 2	-0.43	0.5411 -0.535
Quartile 3	-0.76	0.4449 -0.4475

{}

Cycle 13B: GBT, VLA, and VLBA

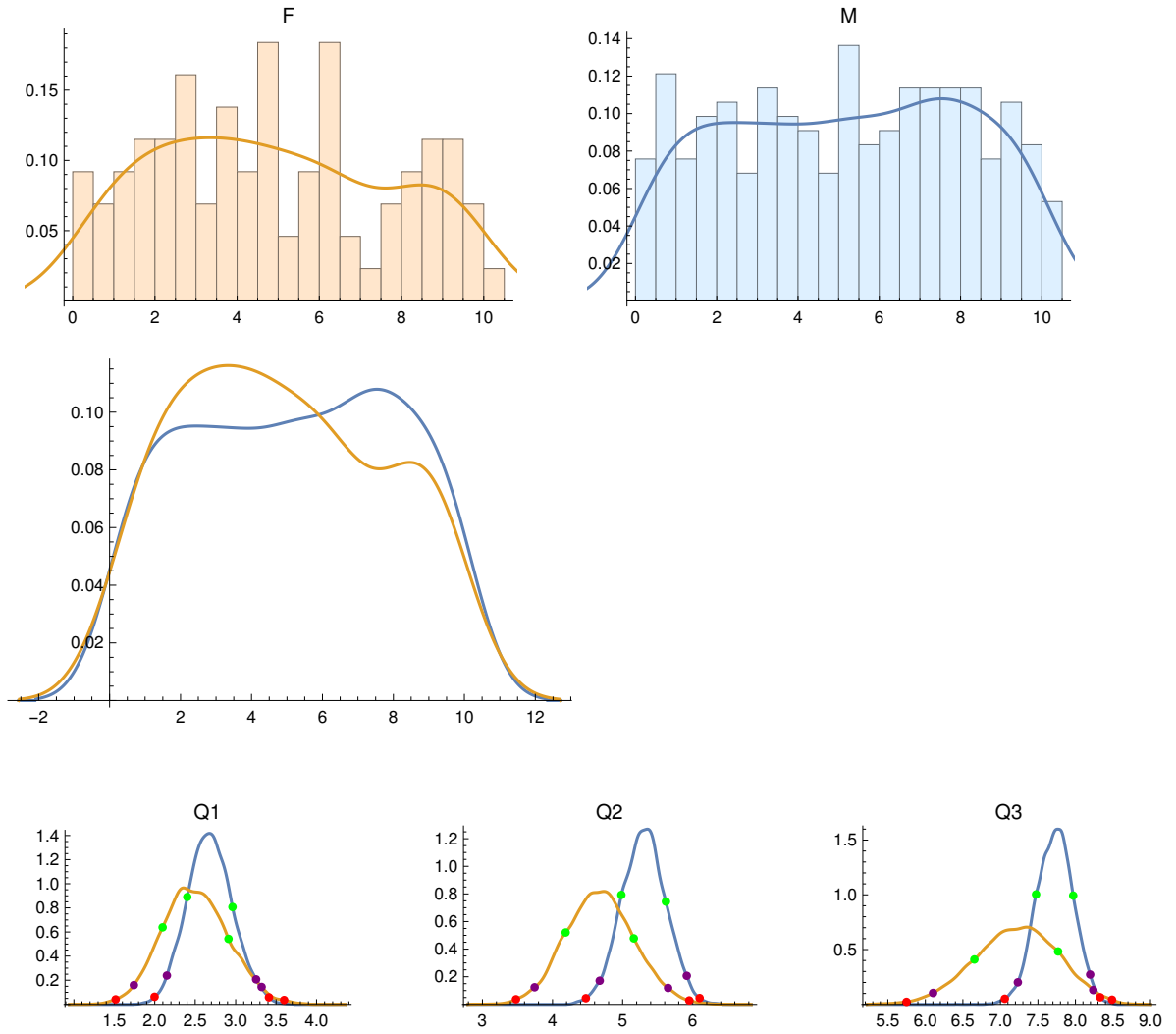
No. Female PIs = 87

No. Male PIs = 264

F PI Quartiles: {2.5875, 4.63, 7.12}

M PI Quartiles: {2.63, 5.31, 7.76}

Anderson-Darling two-sample test p-value: 0.514593



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.63	2.402 2.961	2.15 3.253	1.998 3.412
Quartile 2	5.31	4.982 5.617	4.673 5.915	4.476 6.098
Quartile 3	7.76	7.475 7.97	7.233 8.196	7.059 8.329

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.588	2.097 2.912	1.742 3.321	1.517 3.6
Quartile 2	4.63	4.187 5.159	3.744 5.648	3.479 5.95
Quartile 3	7.12	6.653 7.769	6.103 8.238	5.749 8.487

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.0425	0.4952 -0.4938
Quartile 2	-0.68	0.5788 -0.5804
Quartile 3	-0.64	0.6087 -0.6133

{}

Cycle 14A: GBT, VLA, and VLBA

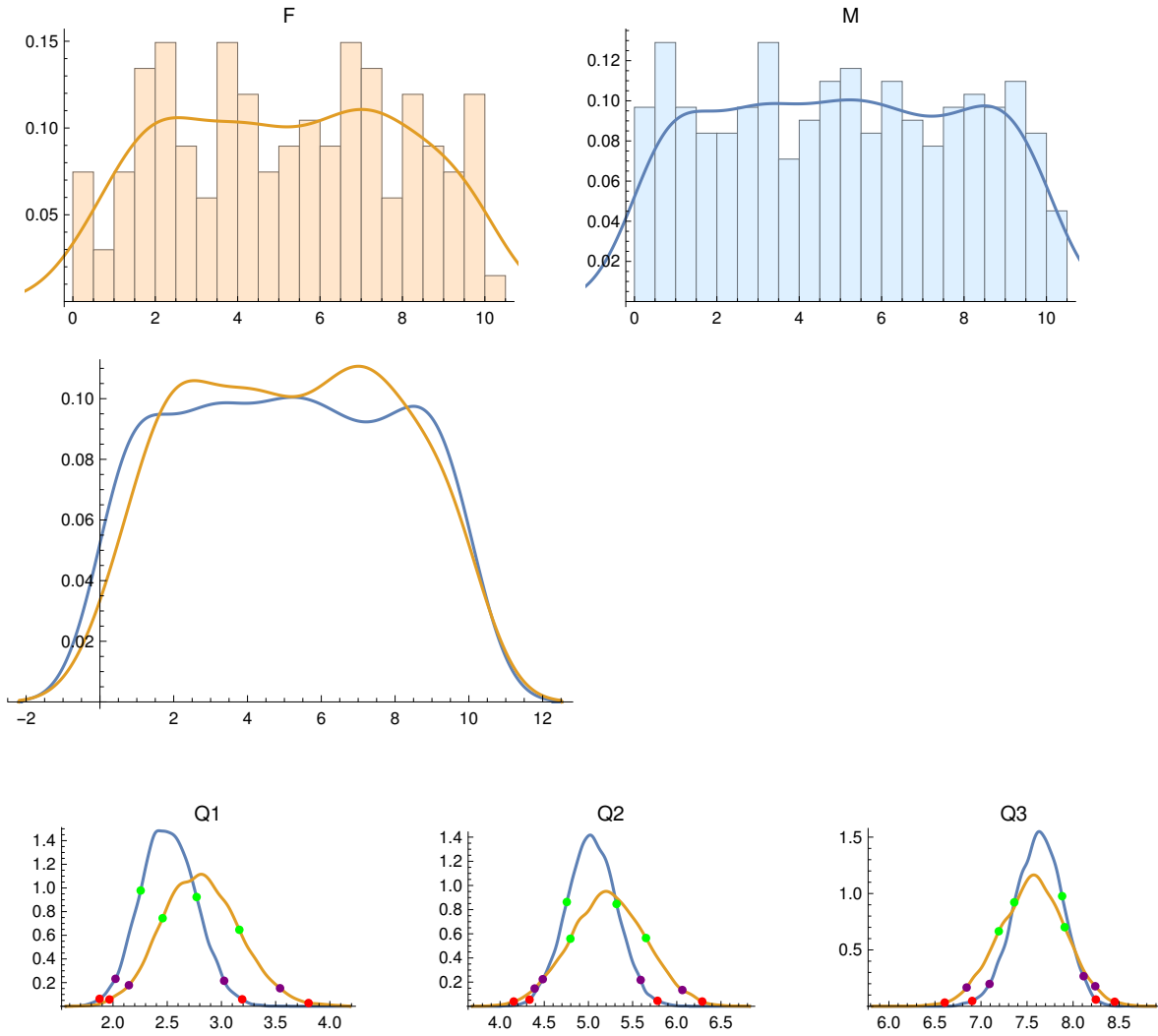
No. Female PIs = 134

No. Male PIs = 310

F PI Quartiles: {2.62, 5.245, 7.46}

M PI Quartiles: {2.61, 5.04, 7.63}

Anderson-Darling two-sample test p-value: 0.569355



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.61	2.255 2.771	2.023 3.025	1.876 3.191
Quartile 2	5.04	4.755 5.318	4.483 5.591	4.333 5.782
Quartile 3	7.63	7.361 7.881	7.093 8.114	6.904 8.247

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.62	2.458 3.165	2.146 3.541	1.967 3.804
Quartile 2	5.245	4.796 5.651	4.391 6.063	4.154 6.288
Quartile 3	7.46	7.193 7.909	6.844 8.24	6.606 8.452

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.01	0.4364 -0.4382
Quartile 2	0.205	0.5073 -0.5075
Quartile 3	-0.17	0.4464 -0.4434

{}

Cycle 14B: GBT, VLA, and VLBA

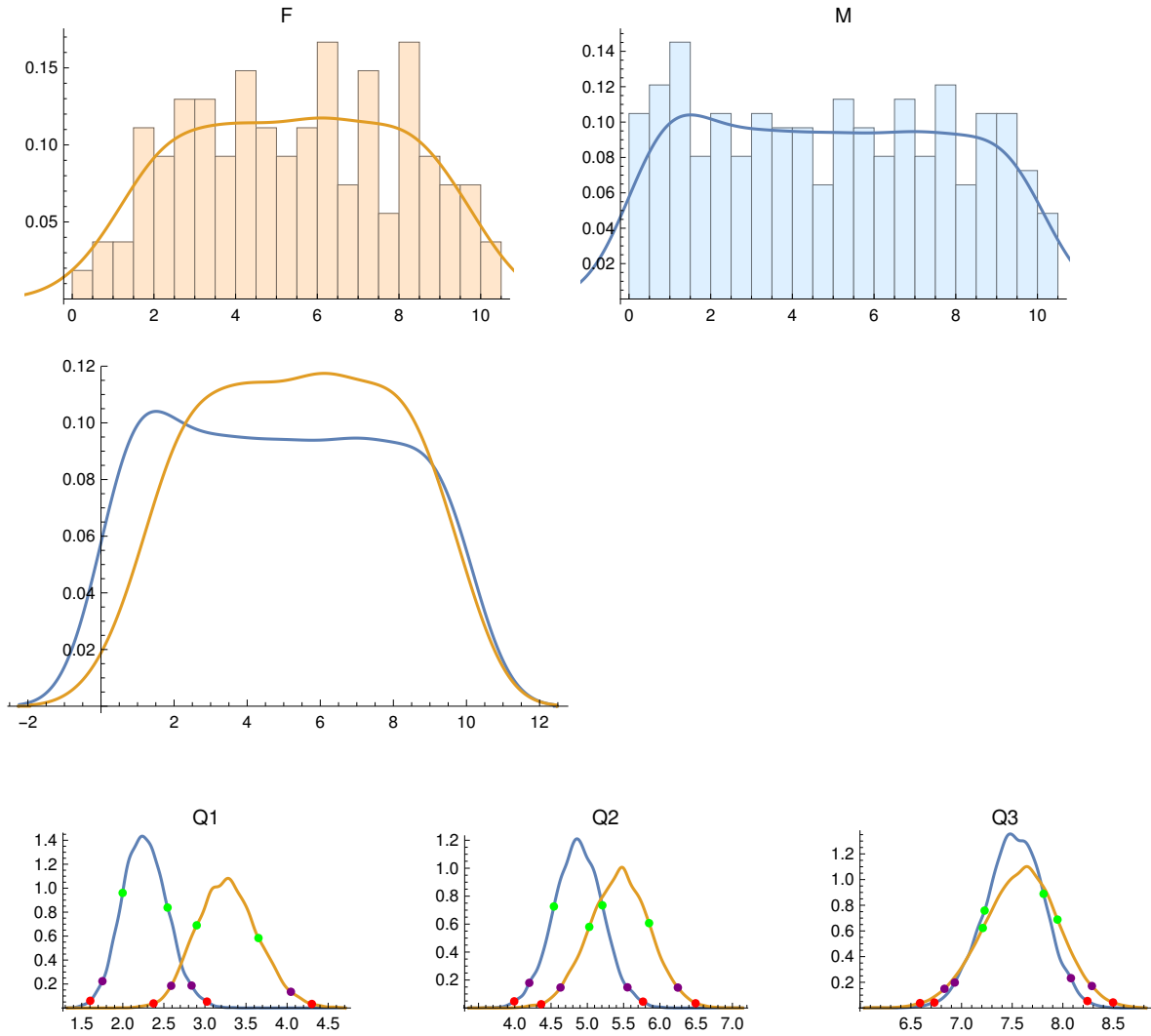
No. Female PIs = 108

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 2.545	1.752 2.837	1.604 3.025
Quartile 2	4.93	4.539 5.208	4.2 5.553	3.992 5.768
Quartile 3	7.56	7.228 7.81	6.933 8.08	6.731 8.242

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.24	2.9 3.652	2.589 4.046	2.374 4.301
Quartile 2	5.495	5.027 5.851	4.63 6.248	4.364 6.493
Quartile 3	7.52	7.21 7.947	6.831 8.287	6.59 8.496

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.02	0.4658 -0.4599
Quartile 2	0.565	0.53 -0.5306
Quartile 3	-0.04	0.4663 -0.4643

{}

Cycle 15A: GBT, VLA, and VLBA

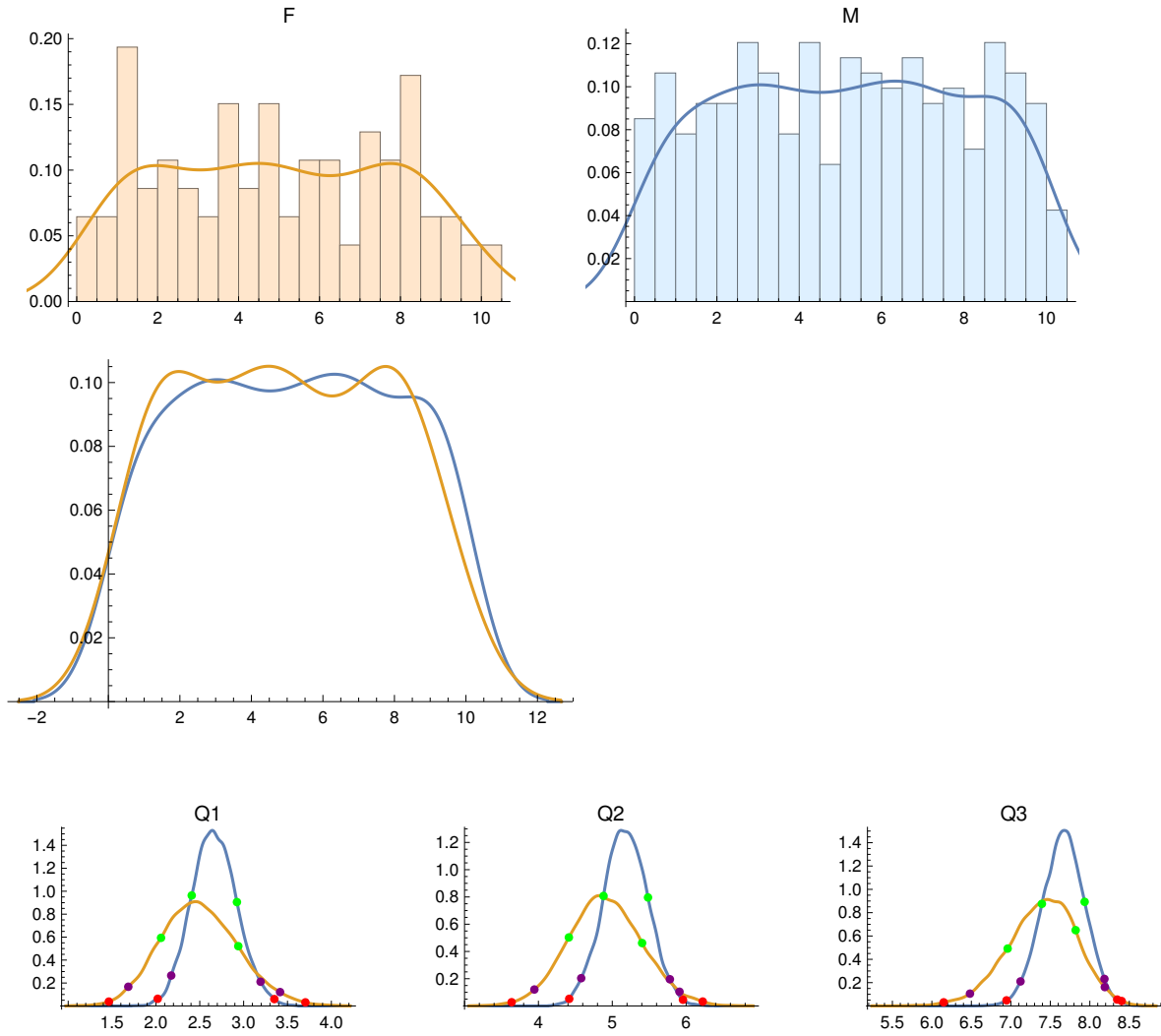
No. Female PIs = 93

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	2.175 3.193	2.02 3.35
Quartile 2	5.225	4.882 5.484	4.579 5.78	4.417 5.957
Quartile 3	7.62	7.393 7.934	7.122 8.185	6.945 8.347

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.425	2.058 2.939	1.685 3.415	1.463 3.704
Quartile 2	4.78	4.412 5.404	3.945 5.91	3.637 6.225
Quartile 3	7.528	6.959 7.821	6.482 8.19	6.149 8.403

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.265	0.5035 -0.5138
Quartile 2	-0.445	0.5815 -0.5909
Quartile 3	-0.0925	0.5064 -0.5102

{}

Cycle 15B: GBT, VLA, and VLBA

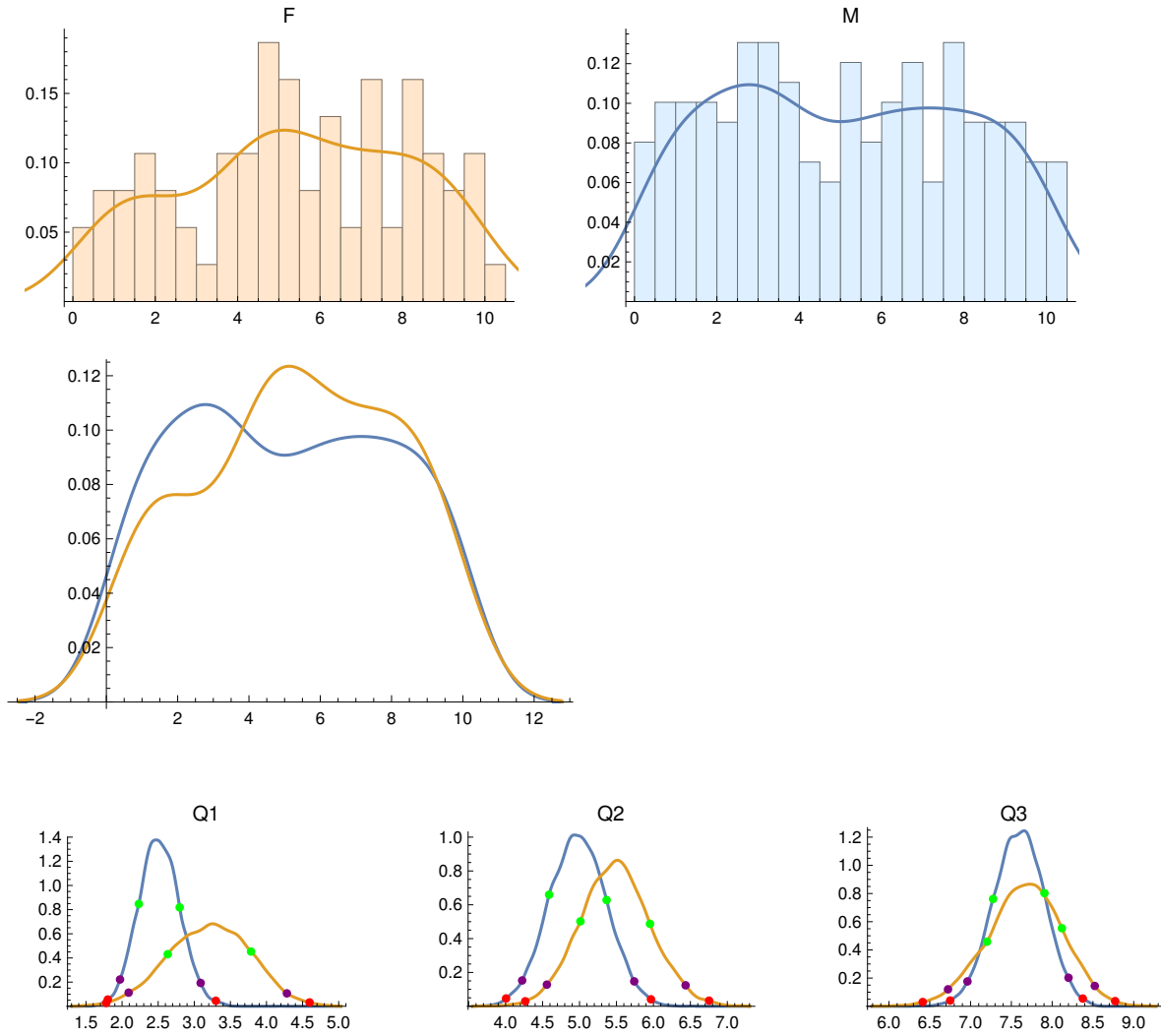
No. Female PIs = 75

No. Male PIs = 199

F PI Quartiles: {3.565, 5.38, 7.77}

M PI Quartiles: {2.5, 5., 7.6025}

Anderson-Darling two-sample test p-value: 0.489273



Male PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.5	2.232 2.798	1.972 3.088	1.803 3.299
Quartile 2	5.	4.589 5.367	4.224 5.74	4.006 5.967
Quartile 3	7.602	7.276 7.906	6.962 8.2	6.75 8.376

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.565	2.633 3.786	2.091 4.283	1.78 4.597
Quartile 2	5.38	5.012 5.954	4.558 6.435	4.266 6.753
Quartile 3	7.77	7.202 8.119	6.724 8.522	6.414 8.772

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.065	0.6345 -0.6459
Quartile 2	0.38	0.6126 -0.6179
Quartile 3	0.1675	0.5476 -0.5491

{}

Cycle 16A: GBT, VLA, and VLBA

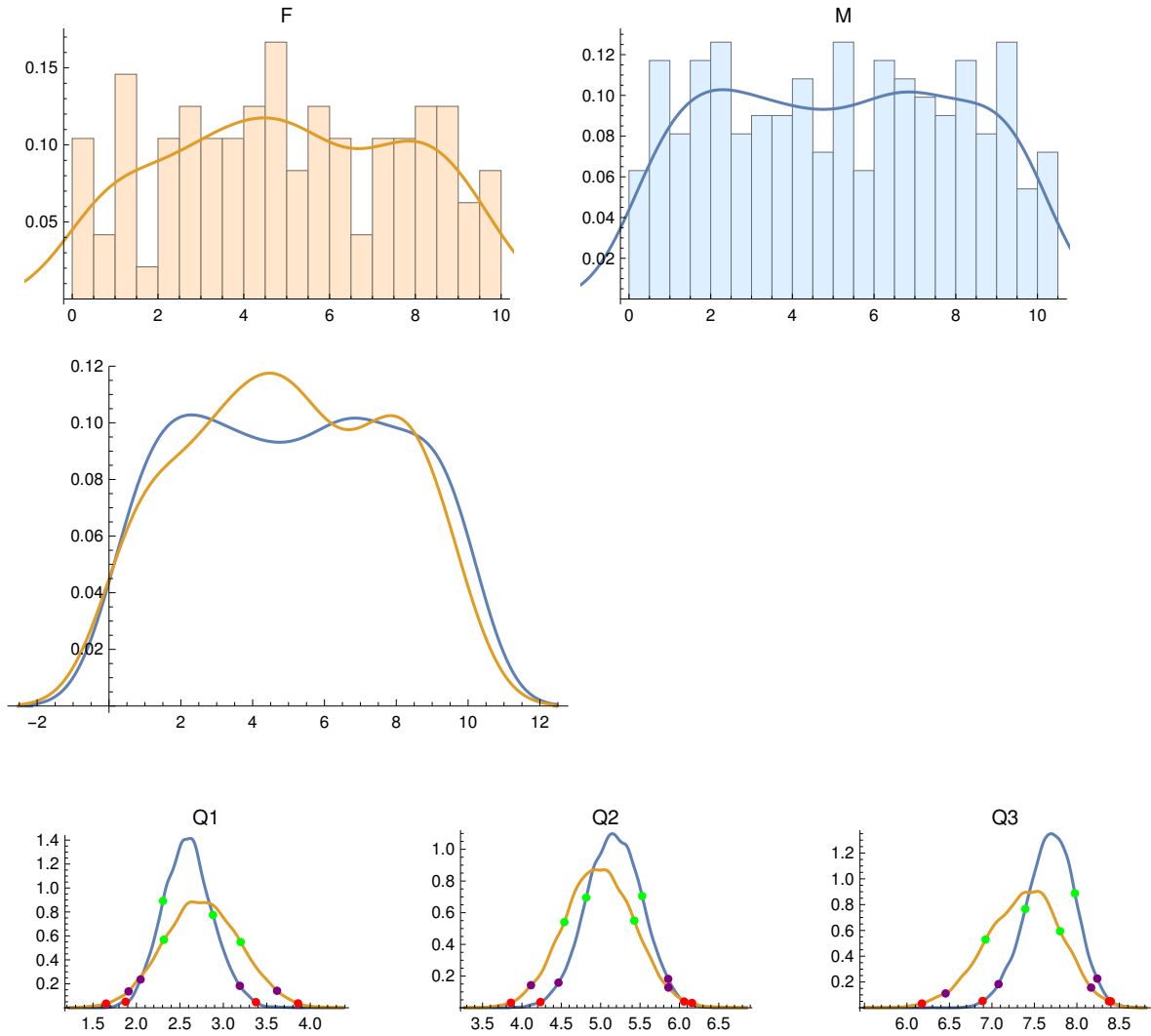
No. Female PIs = 96

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	2.306 2.881	2.048 3.19	1.876 3.375
Quartile 2	5.17	4.816 5.527	4.464 5.858	4.235 6.061
Quartile 3	7.67	7.392 7.976	7.078 8.24	6.89 8.399

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.93	2.316 3.199	1.909 3.618	1.651 3.86
Quartile 2	4.9	4.539 5.427	4.115 5.861	3.86 6.16
Quartile 3	7.495	6.925 7.802	6.455 8.167	6.176 8.378

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.47	0.5296 -0.5302
Quartile 2	-0.27	0.5634 -0.5686
Quartile 3	-0.175	0.5216 -0.5295

{}

Cycle 16B: GBT, VLA, and VLBA

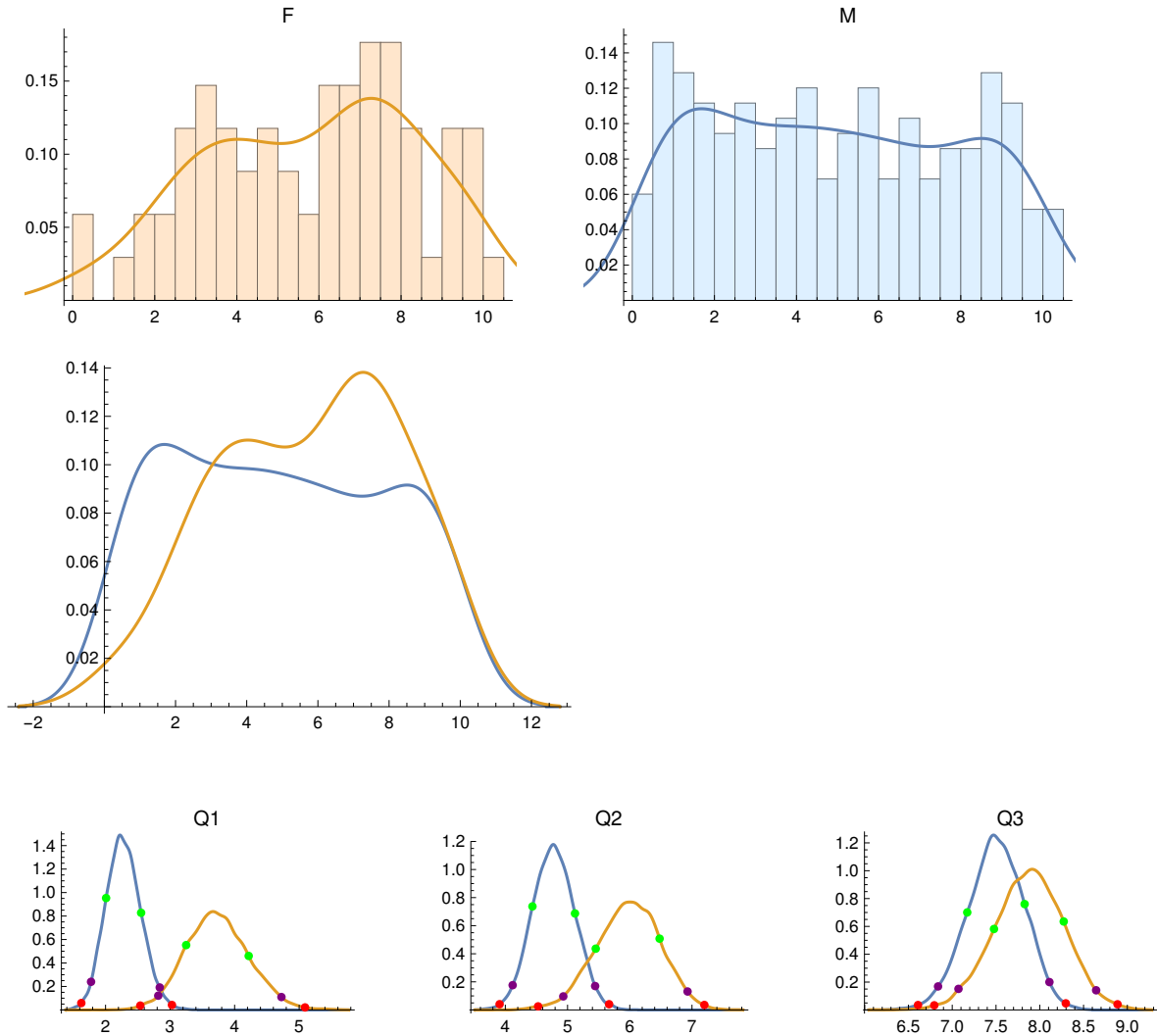
No. Female PIs = 68

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	2.009 2.551	1.775 2.84	1.624 3.029
Quartile 2	4.74	4.436 5.12	4.118 5.443	3.908 5.668
Quartile 3	7.522	7.171 7.827	6.838 8.11	6.609 8.297

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.69	3.249 4.218	2.817 4.725	2.539 5.091
Quartile 2	6.16	5.453 6.479	4.932 6.929	4.527 7.199
Quartile 3	7.69	7.477 8.273	7.071 8.644	6.795 8.888

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	1.4825	0.5594 -0.5576
Quartile 2	1.42	0.6189 -0.6171
Quartile 3	0.1675	0.5299 -0.5216

{}

Cycle 17A: GBT, VLA, and VLBA

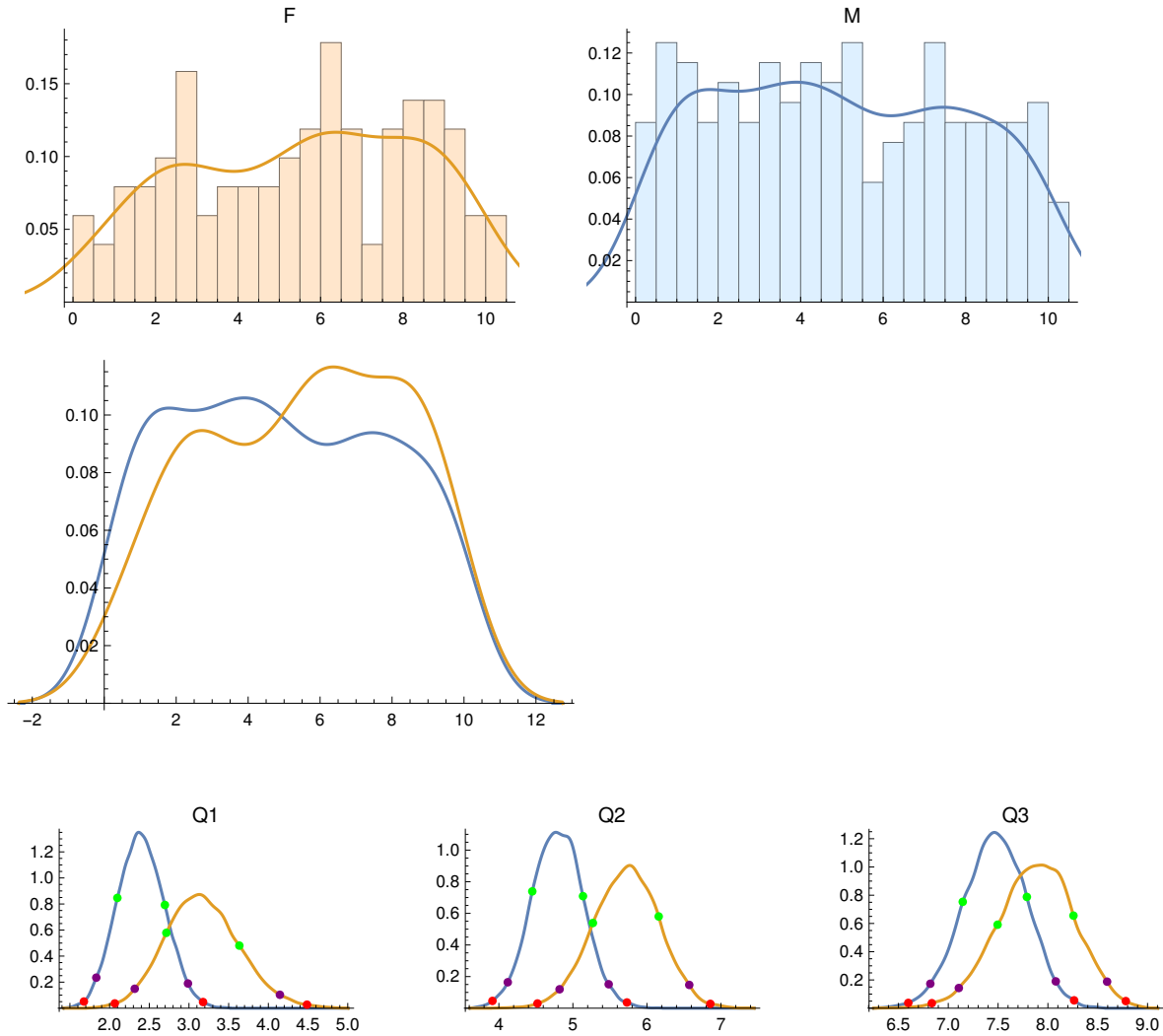
No. Female PIs = 101

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	2.098 2.696	1.833 2.988	1.676 3.178
Quartile 2	4.755	4.452 5.137	4.12 5.483	3.913 5.73
Quartile 3	7.44	7.145 7.789	6.82 8.079	6.599 8.263

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.905	2.715 3.635	2.317 4.146	2.066 4.487
Quartile 2	5.82	5.271 6.159	4.821 6.572	4.522 6.857
Quartile 3	8.	7.495 8.256	7.106 8.594	6.835 8.782

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.57	0.5451 -0.5437
Quartile 2	1.065	0.5604 -0.5644
Quartile 3	0.56	0.4905 -0.4972

{}

Cycle 17B: GBT, VLA, and VLBA

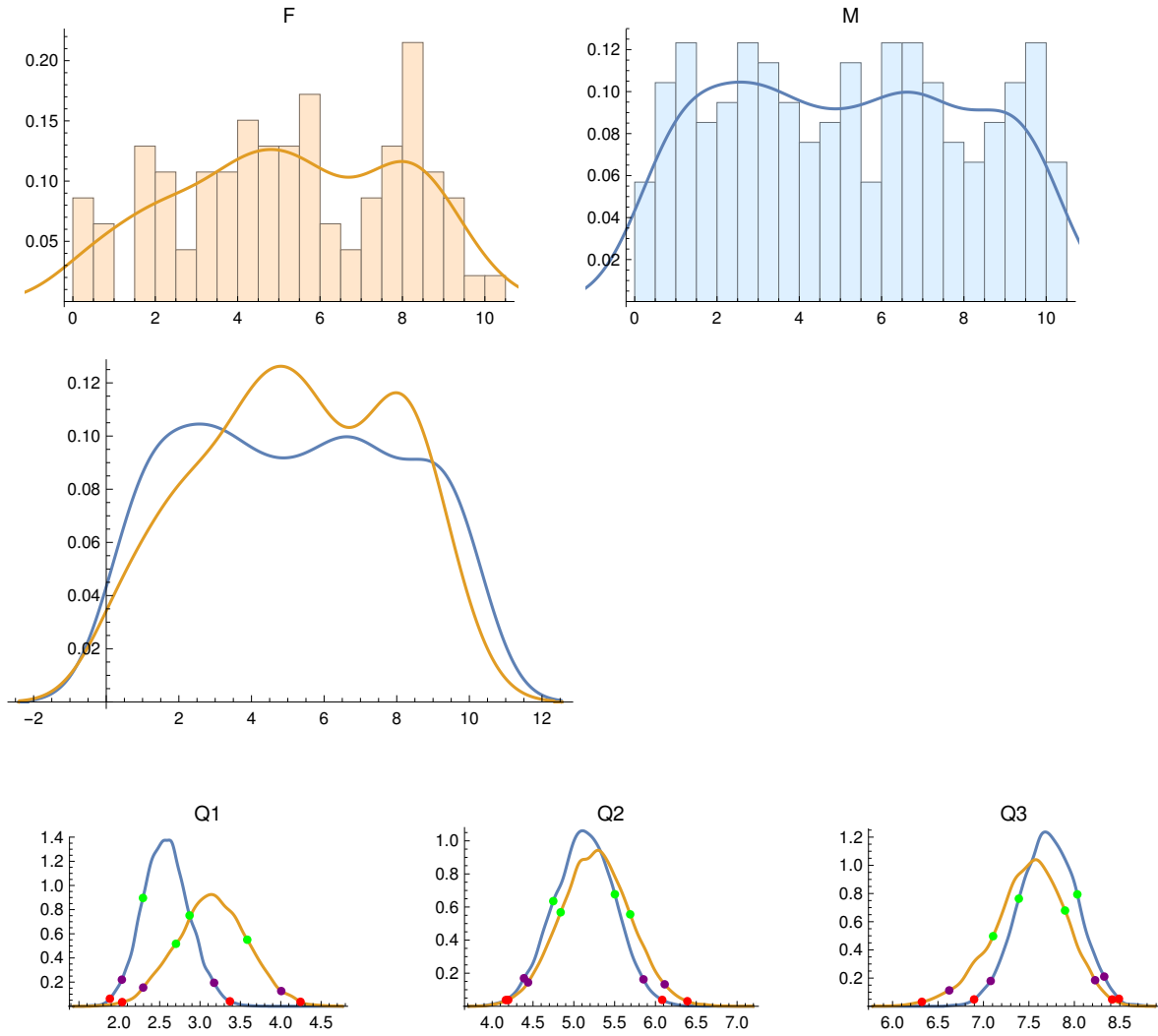
No. Female PIs = 93

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	2.032 3.174	1.883 3.37
Quartile 2	5.07	4.748 5.503	4.389 5.853	4.168 6.083
Quartile 3	7.598	7.389 8.033	7.079 8.329	6.897 8.491

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.23	2.702 3.585	2.296 4.006	2.035 4.245
Quartile 2	5.37	4.838 5.69	4.439 6.113	4.196 6.391
Quartile 3	7.705	7.106 7.897	6.624 8.228	6.323 8.416

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.6325	0.5211 -0.5247
Quartile 2	0.3	0.5661 -0.5652
Quartile 3	0.1075	0.5168 -0.5129

{}

Cycle 18A: GBT, VLA, and VLBA

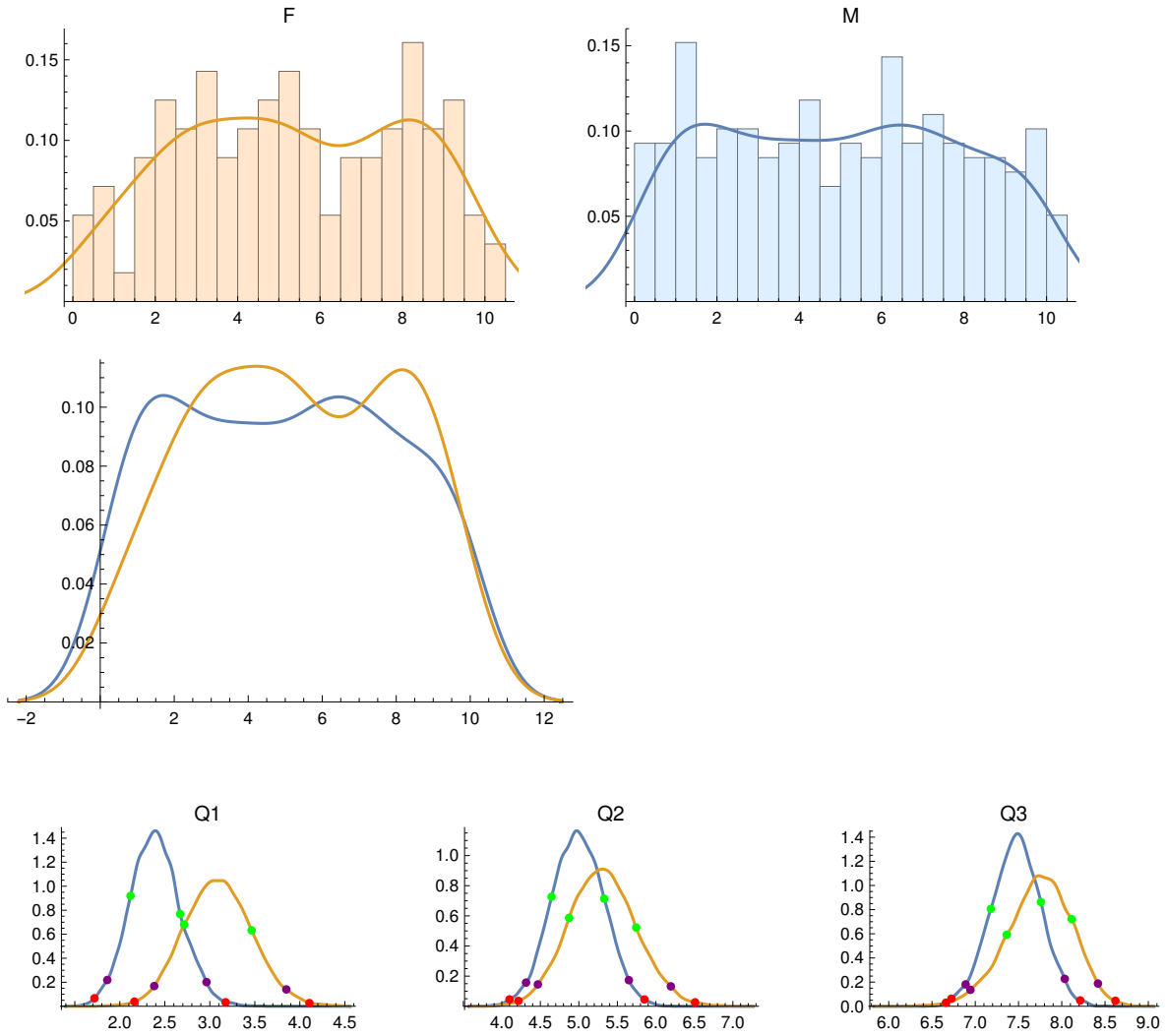
No. Female PIs = 112

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	2.119 2.67	1.861 2.963	1.718 3.175
Quartile 2	5.	4.646 5.33	4.314 5.649	4.099 5.852
Quartile 3	7.422	7.18 7.759	6.889 8.034	6.724 8.214

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	3.095	2.715 3.465	2.382 3.85	2.162 4.106
Quartile 2	5.235	4.873 5.744	4.468 6.195	4.215 6.509
Quartile 3	7.89	7.363 8.114	6.944 8.418	6.66 8.62

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	0.695	0.4697 -0.4704
Quartile 2	0.235	0.5601 -0.5534
Quartile 3	0.4675	0.4737 -0.4778

{}

Cycle 18B: GBT, VLA, and VLBA

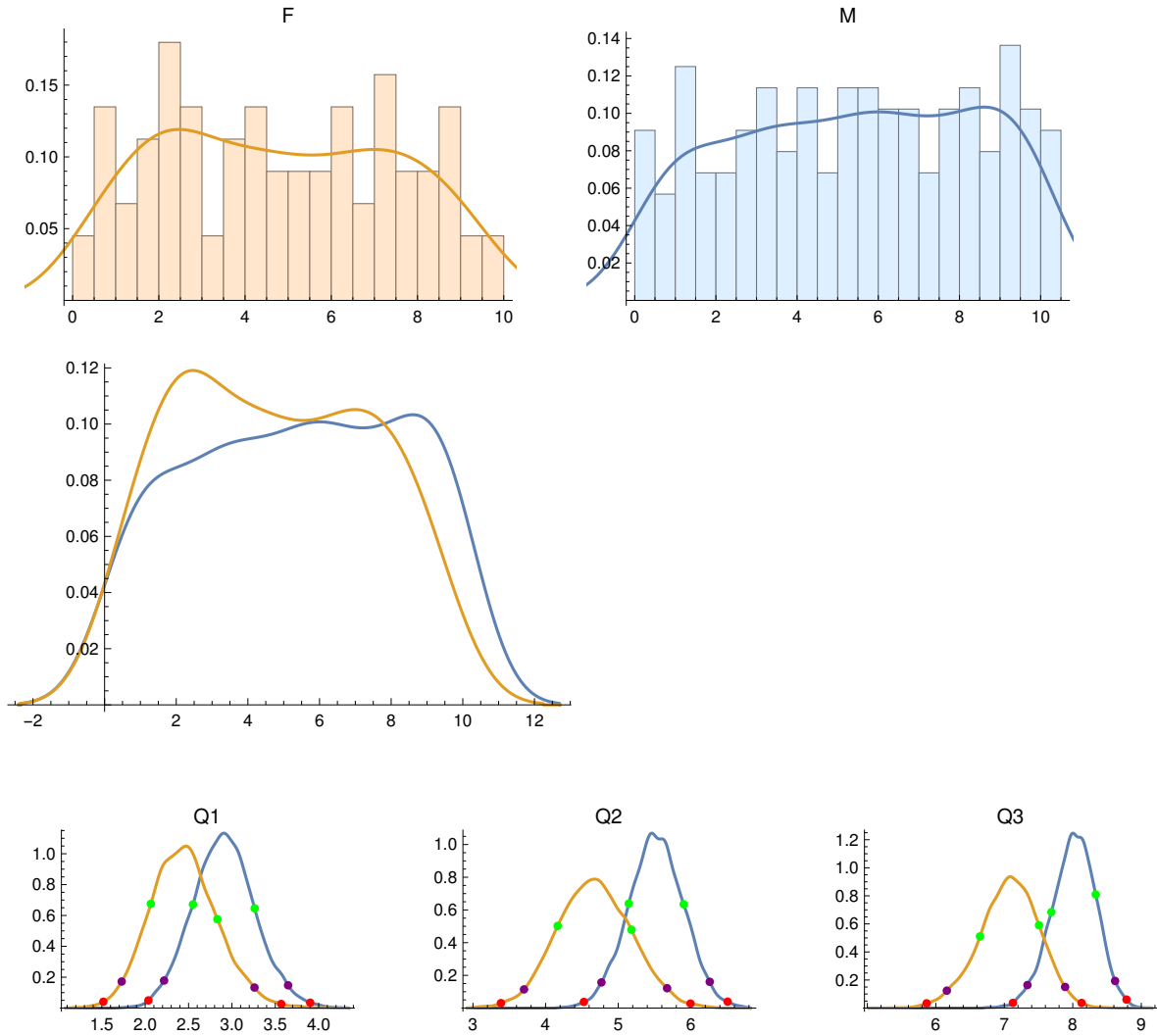
No. Female PIs = 89

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	2.551 3.262	2.218 3.648	2.037 3.902
Quartile 2	5.545	5.145 5.902	4.769 6.26	4.527 6.507
Quartile 3	8.03	7.688 8.335	7.338 8.618	7.126 8.785

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.315	2.065 2.832	1.729 3.26	1.517 3.568
Quartile 2	4.71	4.166 5.182	3.703 5.673	3.386 5.995
Quartile 3	7.03	6.645 7.507	6.161 7.888	5.866 8.129

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.68	0.5243 -0.5317
Quartile 2	-0.835	0.6398 -0.6342
Quartile 3	-1.	0.5406 -0.5374

{}

Cycle 19A: GBT, VLA, and VLBA

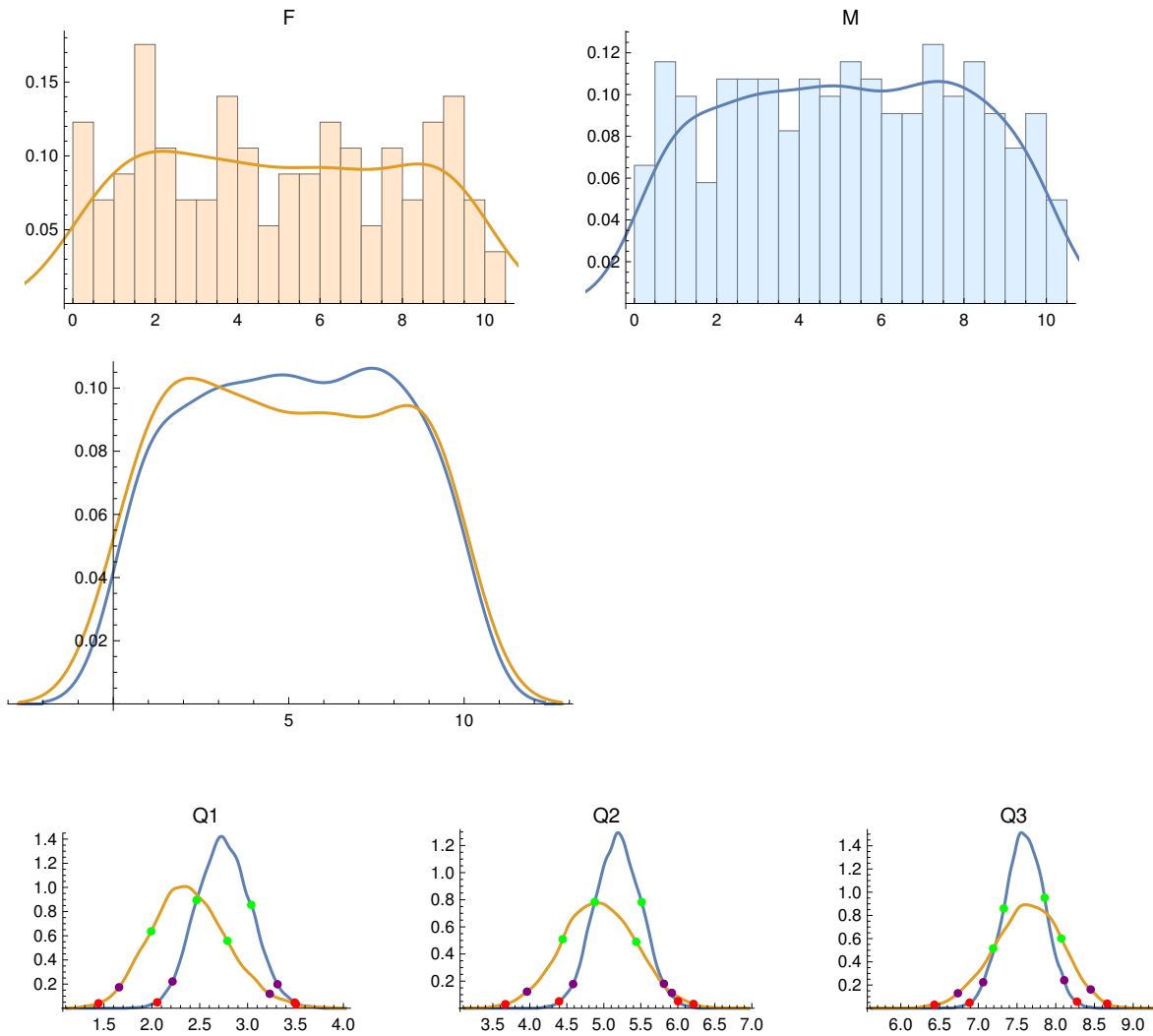
No. Female PIs = 114

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	2.467 3.038	2.216 3.312	2.056 3.492
Quartile 2	5.115	4.877 5.512	4.585 5.812	4.396 6.003
Quartile 3	7.56	7.33 7.857	7.063 8.11	6.887 8.275

Female PIs:

	Quartile Score	68% CI	95% CI	99% CI
Quartile 1	2.3	1.993 2.79	1.658 3.231	1.443 3.505
Quartile 2	4.895	4.444 5.438	3.962 5.919	3.67 6.212
Quartile 3	7.73	7.193 8.073	6.737 8.451	6.434 8.664

Quartile differences, F minus M:

	diff.	upper/lower error bars
Quartile 1	-0.47	0.4856 -0.4878
Quartile 2	-0.22	0.5901 -0.5963
Quartile 3	0.17	0.5113 -0.5158

{}

Out[1]= NRA0GenderBiasTableThrough19A.xls