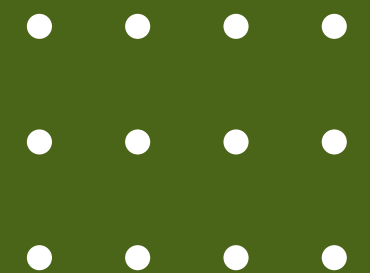# Improving Client-Attorney Relationships at the State Level

DataFest 2023

Sam Fink, Chris Blake, Ryan Trachsel, Kaiden Kaiser-Barton

Principle Ideas & Mission

Research question: Are there any trends, gaps or correlations that can be utilized to improve client-attorney relationships at the state level?
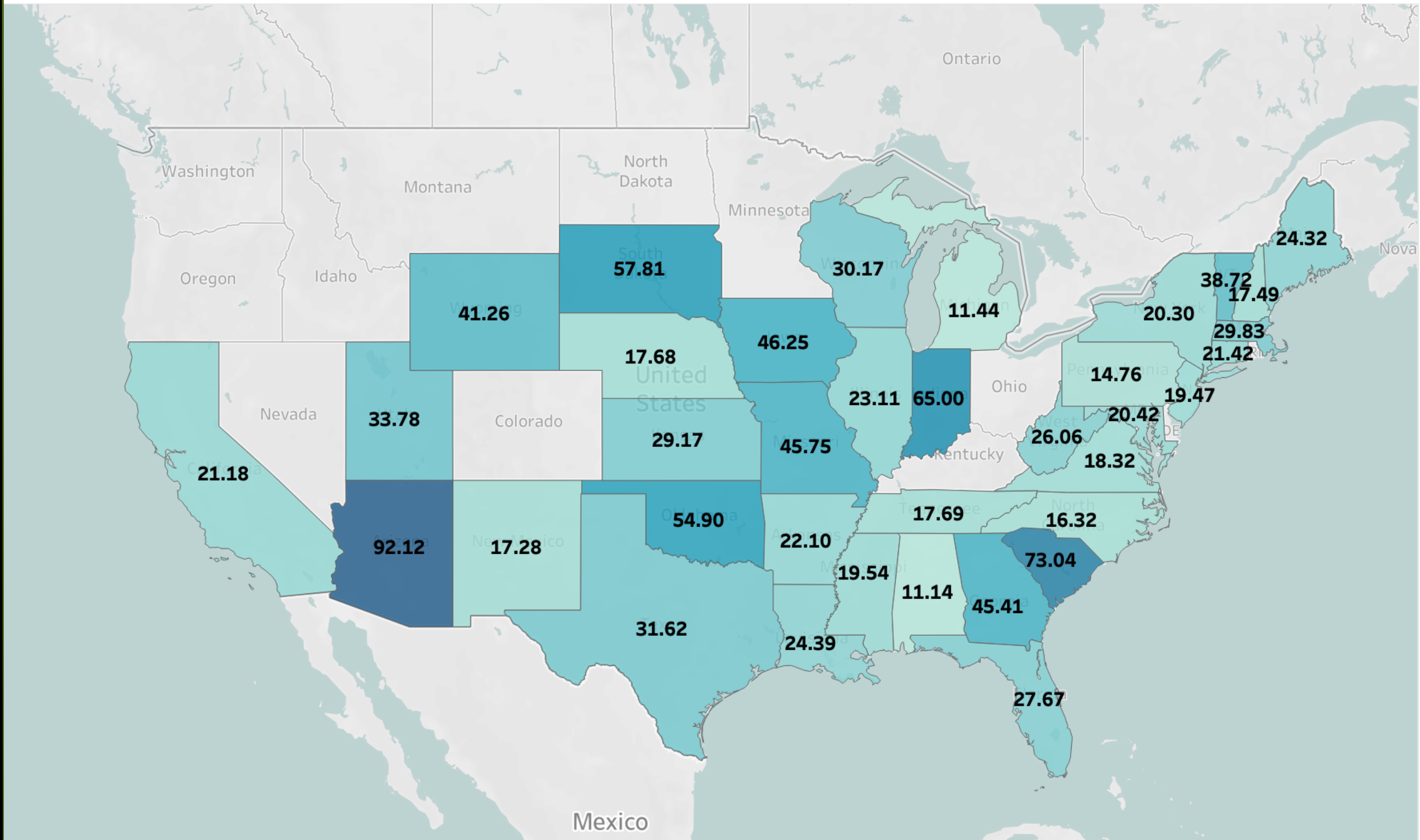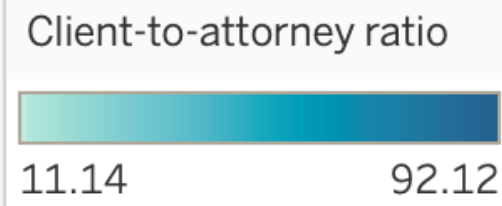
We did this by first obtaining state-level information on demographics, income, the category of inquiry and hours spent with clients.
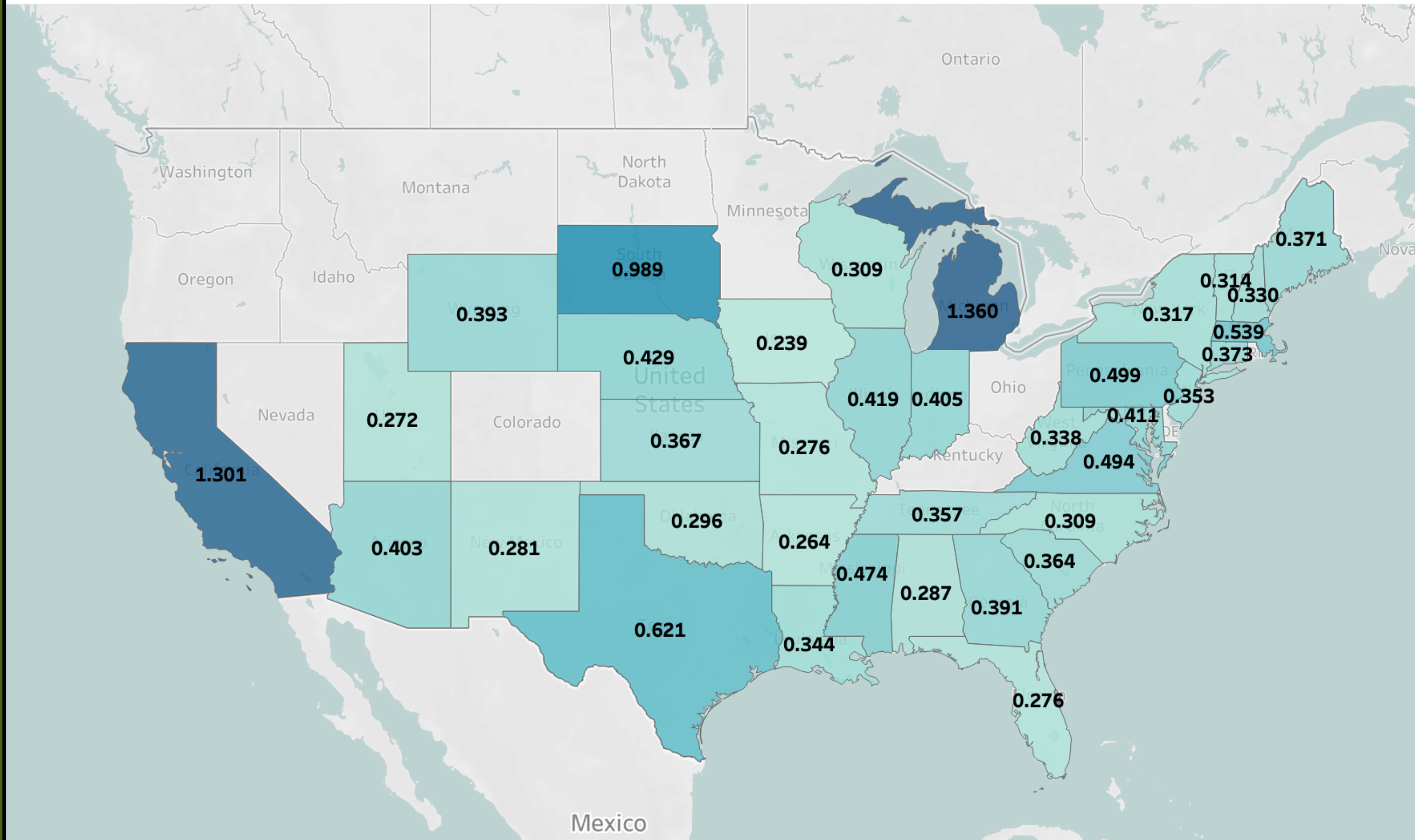
Data Structure

- Data from 38 states (Idaho, Virgin Islands and ABA Federal excluded)
  - Washington, Oregon, Idaho, Montana, Nevada, Colorado, North Dakota, Minnesota, Ohio, Kentucky and Rhode Island not in data set
- 38 rows
- 37 columns
- 1,406 data points

	StateName	African.American	Asian	Caucasian	Hispanic.or.Latino	Multiple	Native.American.Alaska.Native.Native.Hawaiian	Race_other	Race_NA	Consumer.Financial.Questions	Education	Family.and.Children
1	Alabama	186	13	656	19	82	5	275	302	75	5	315
2	Alaska	50	44	612	62	155	179	178	287	54	1	404
3	Arizona	350	107	3328	1350	511	131	1128	2675	393	3	2162
4	Arkansas	443	18	2102	134	219	41	563	723	159	8	1275
5	California	209	266	1083	930	284	46	1211	1159	184	1	594
6	Connecticut	183	55	810	263	107	9	320	459	100	11	384
7	Florida	2931	424	11819	4419	1836	127	3089	5880	1345	51	8214
8	Georgia	3117	191	4543	541	675	45	2158	2716	504	11	2958
9	Hawaii	81	513	828	157	734	552	439	918	460	NA	1143
10	Illinois	3298	468	9318	2104	1289	74	2819	3666	1512	44	7269
11	Indiana	2216	247	12586	848	1230	83	2510	11738	1782	80	11453
12	Iowa	144	42	1769	101	219	25	314	485	138	9	765
13	Kansas	52	7	570	33	64	11	17	121	50	4	207
14	Louisiana	1181	35	2579	128	324	44	659	1051	255	11	1923
15	Maine	69	32	3104	74	227	37	335	815	216	17	1868
16	Maryland	1388	187	1571	266	290	30	520	1097	210	8	946
17	Massachusetts	970	511	7073	1488	948	54	1543	3315	817	49	2601
18	Michigan	186	13	409	17	35	4	26	191	81	NA	175
19	Mississippi	592	18	1189	26	100	13	296	463	98	5	777
20	Missouri	1578	118	7598	329	724	119	1484	2462	907	76	3741
21	Nebraska	293	60	2468	325	301	55	415	787	321	11	1575
22	New Hampshire	26	27	1147	42	84	4	383	438	107	13	460
23	New Jersey	123	85	405	155	96	3	251	323	68	4	206
24	New Mexico	38	21	436	463	163	60	141	302	75	NA	419
25	New York	878	448	3422	937	515	40	1118	2306	470	37	1499
26	North Carolina	1771	155	4241	381	578	103	1138	1900	476	20	2368
27	Oklahoma	591	102	4378	366	829	587	827	1488	536	16	2431
28	Pennsylvania	52	13	306	86	55	6	712	216	36	1	250
29	South Carolina	2592	127	6008	451	563	72	1458	7720	1101	150	6370
30	South Dakota	34	10	853	43	108	98	125	232	80	1	611
31	Tennessee	2245	168	9848	427	891	81	1442	3228	1133	52	4948
32	Texas	3645	835	12333	6893	2197	241	3257	6649	1587	11	9649
33	Utah	46	57	1700	333	204	75	265	597	181	6	803
34	Vermont	23	19	1240	24	112	15	243	415	63	7	389
35	Virginia	1683	308	3570	459	524	68	987	1874	436	21	2013

Client-to-attorney ratio by state

Client-to-attorney ratio
11.14   92.12

Average hours per state

Average hours
0.239   1.360

Washington

Oregon

Montana

Idaho

Nevada — 0.272

California — 1.301

New Mexico — 0.281

Arizona — 0.403

North Dakota

South Dakota — 0.989

Wyoming — 0.393

Colorado

0.367

0.429

0.296

0.621

0.239

0.276

0.264

0.344

0.419   0.405

0.474   0.287   0.391

0.357

0.309

0.364

Minnesota

Ontario

Michigan — 1.360

0.309

Ohio

Kentucky

West
0.338
0.494

0.499

0.411

Maine — 0.371

0.314
0.330
0.317
0.539
0.373
0.353

Nova

Mexico

0.276

United States

Average hours per client vs. Client-to-attorney ratio by state

Average hours per client vs. Median annual salary by state

r = −0.065

Median annual salary

30000
25000
20000

0.5   1.0

Average hours per client
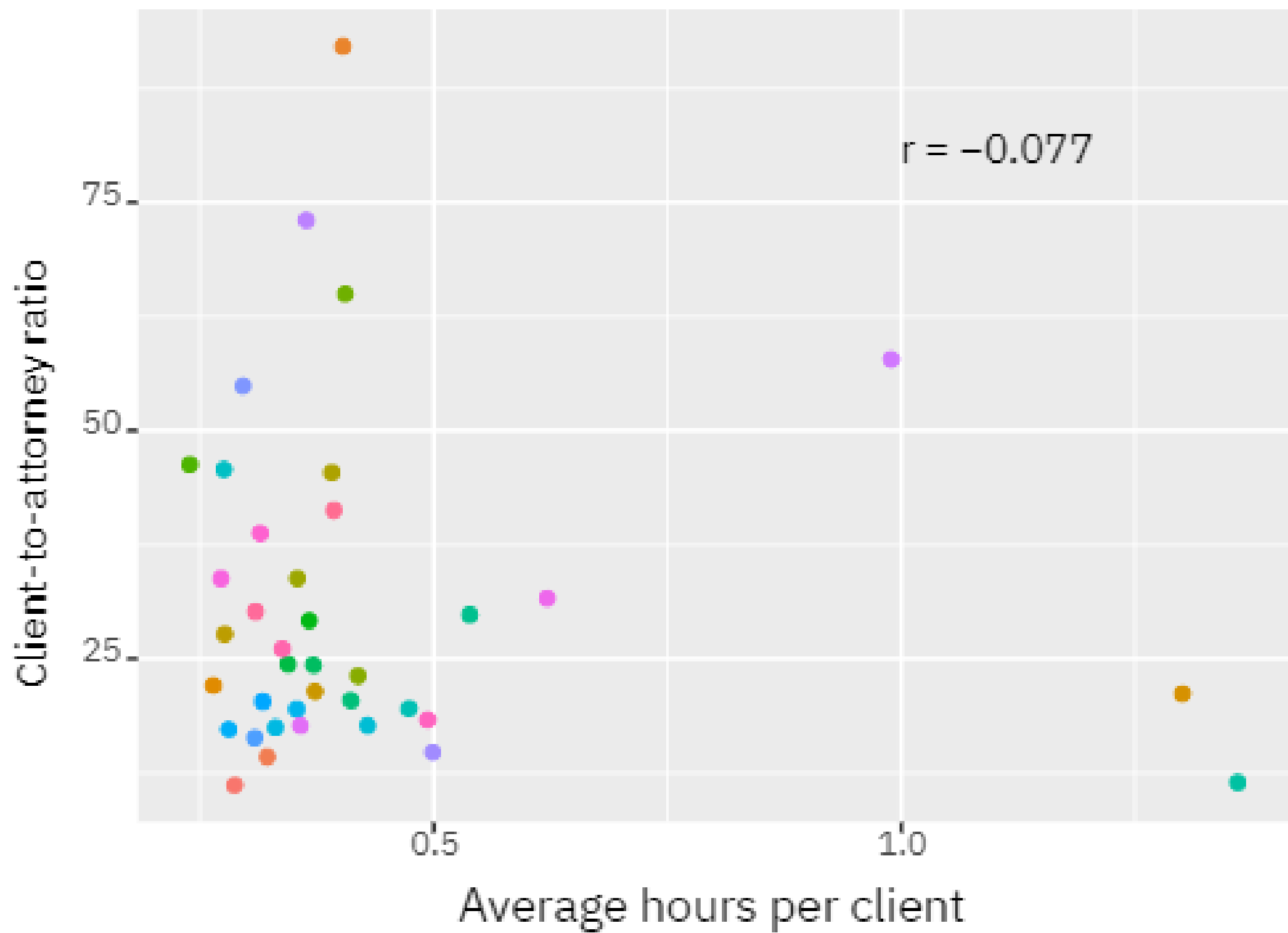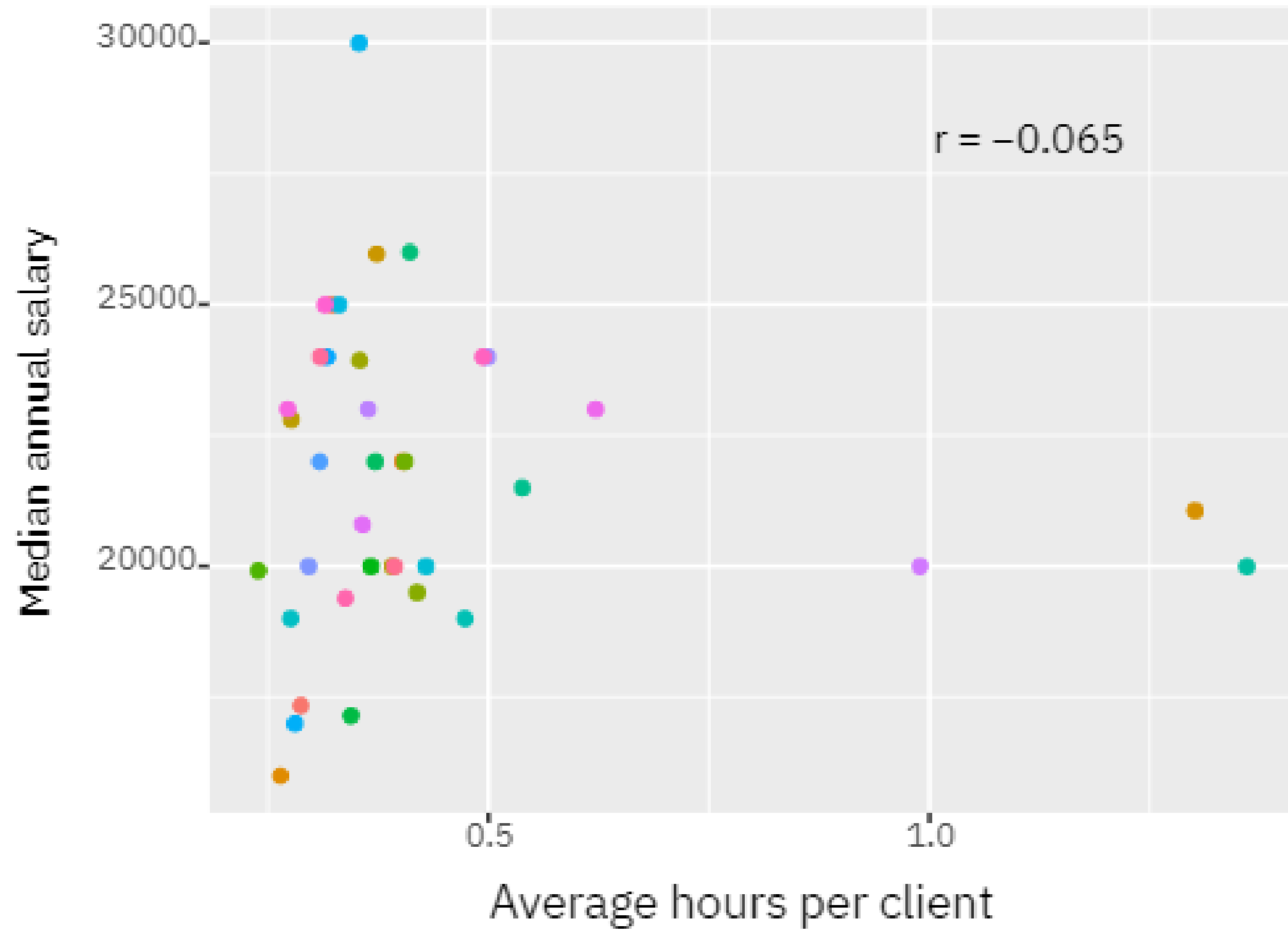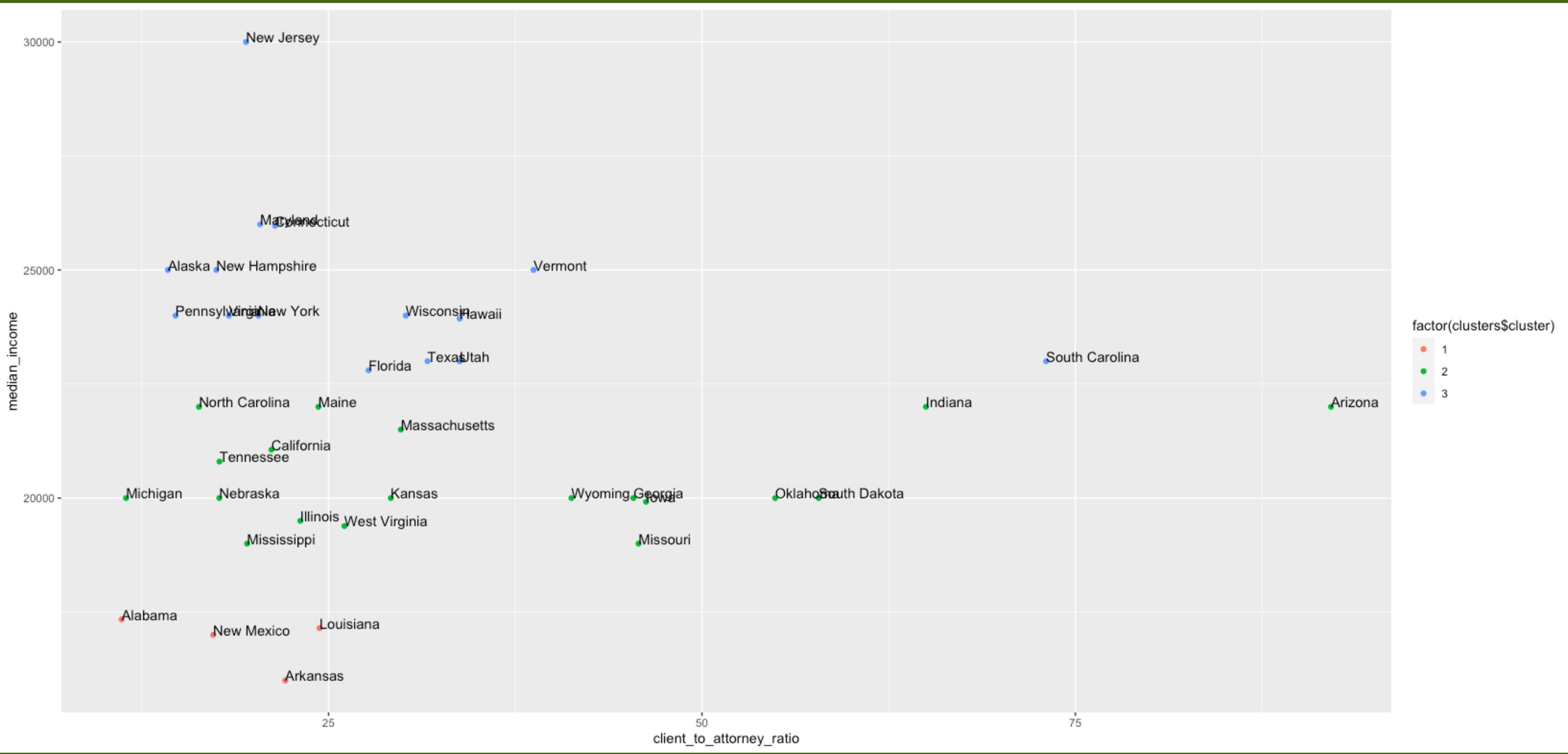
Alaska
Arizona
Ar kansas
Califor nia
Connecticut
Flor ida
Georgia
Hawaii
Illinois
Indiana
Iowa
Kansas
Louisiana
Maine
Mar yland
Massachusetts

Nebraska
New
Hampshire
New Jersey
New Mexico
New York
North Carolina
Oklahoma
Pennsylvania
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
West Virginia

Scatter plot matrix
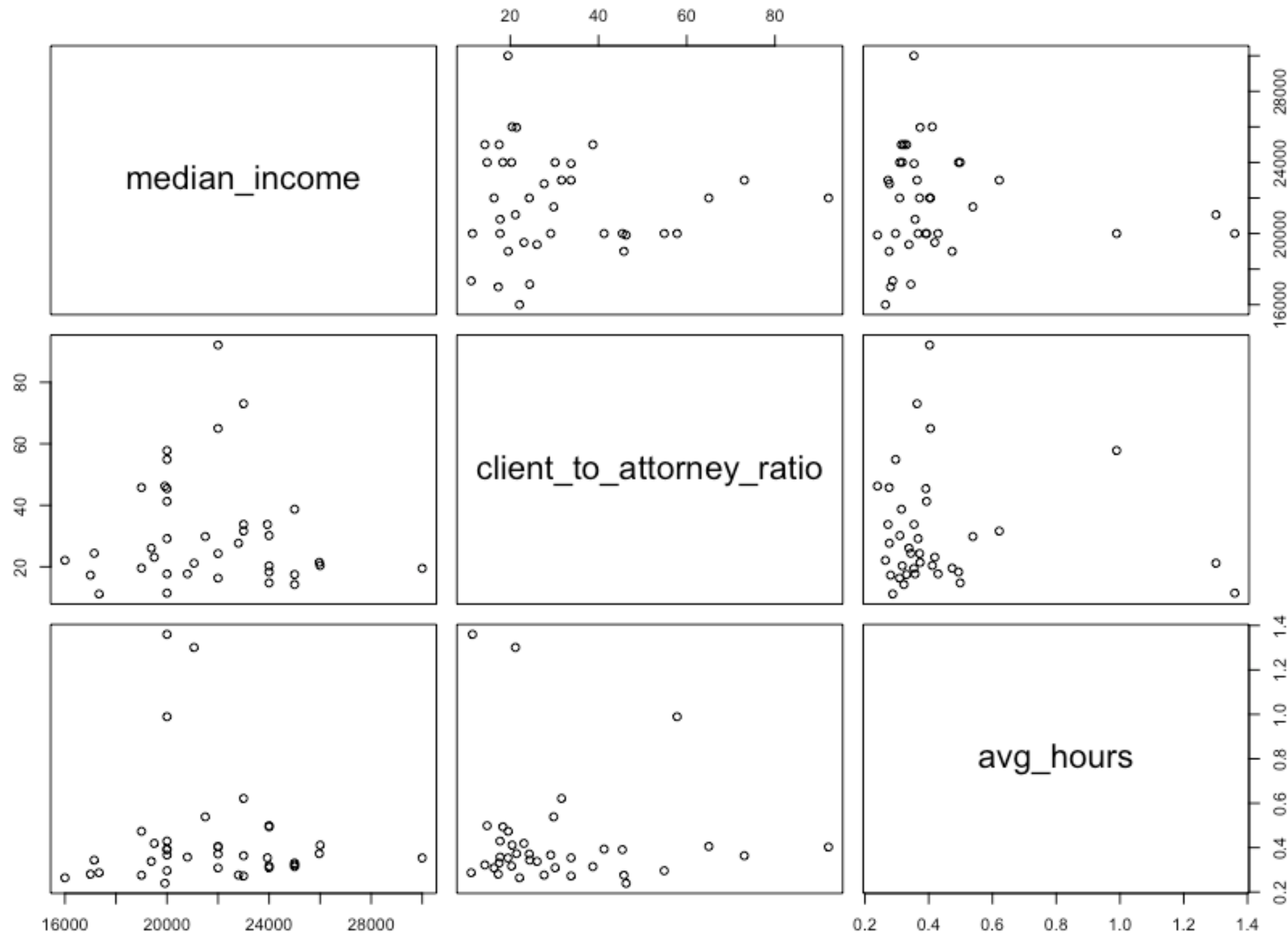
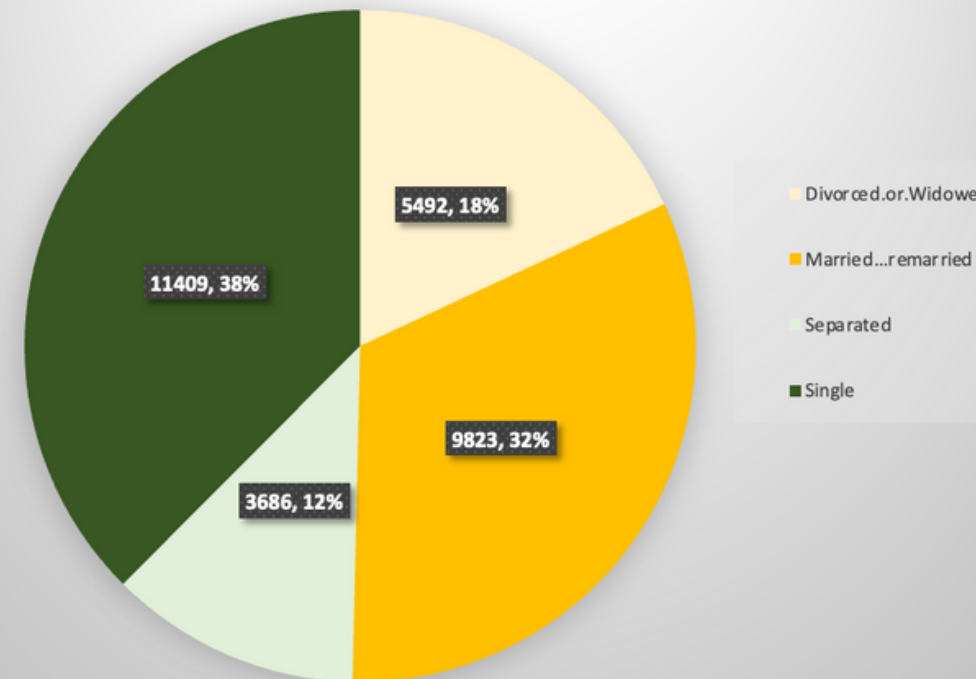# Clustering

Individual State Information

If an attorney is interested in representing a certain demographic of clientele, they could utilize any of the following "per state" breakdowns to explore regions where they would have more opportunity.
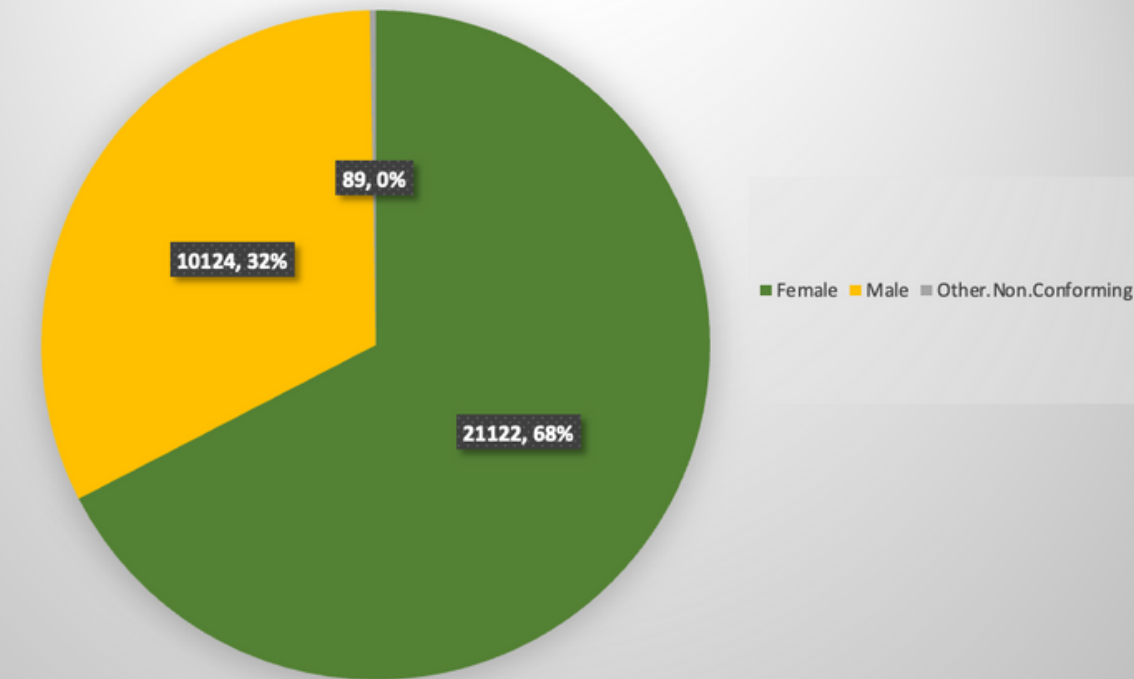

Texas Ethnicity Breakdown

- African.American: 3645
- Asian: 835
- Caucasian: 12333
- Hispanic.or.Latino: 6893
- Multiple: 2197
- Native: 241
- Race_other: 3257

Texas Marital Status Breakdown

- Divorced.or.Widowed: 5492, 18%
- Married...remarried: 9823, 32%
- Separated: 3686, 12%
- Single: 11409, 38%

Texas Gender Breakdown
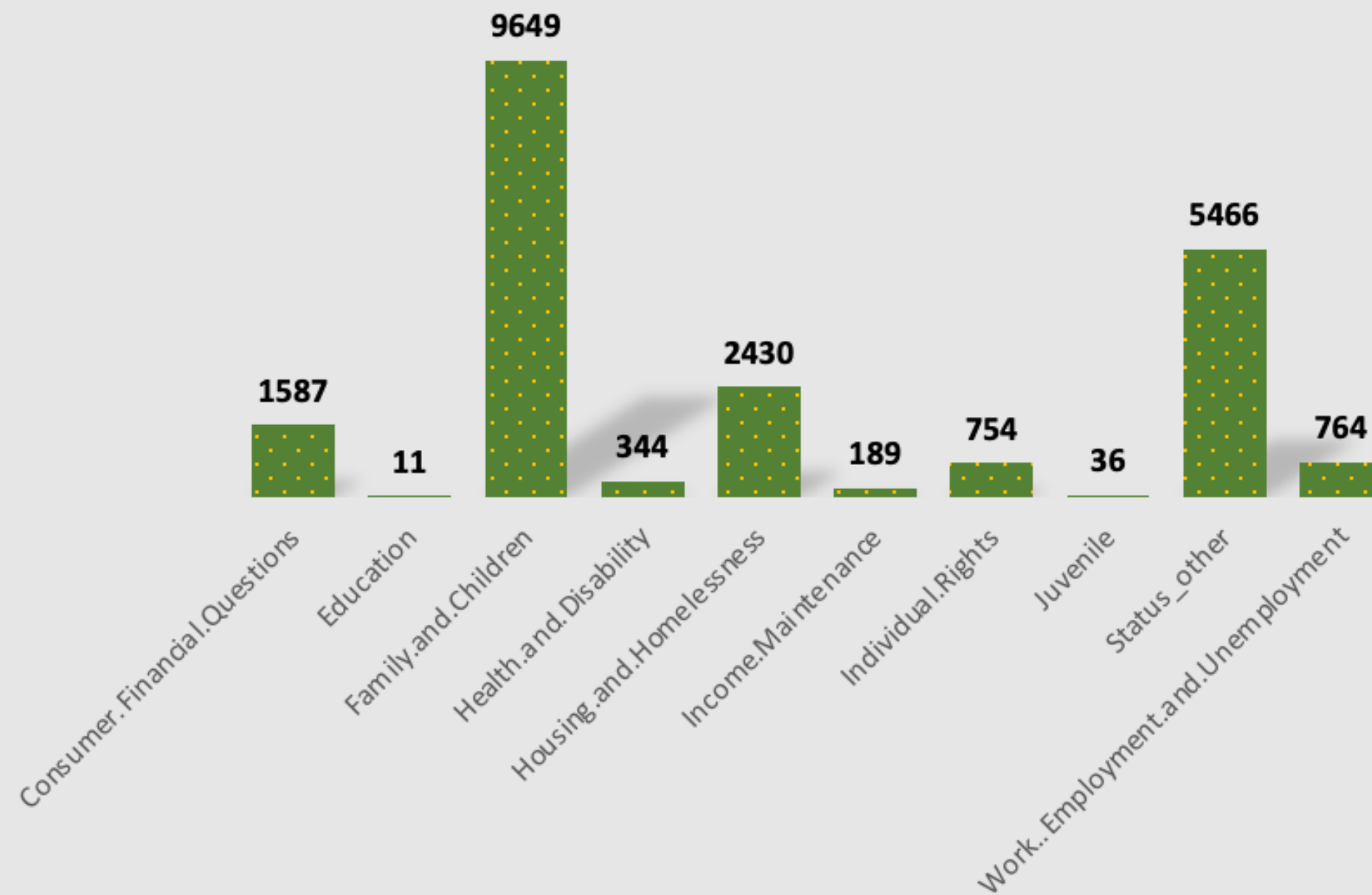
- Female: 21122, 68%
- Male: 10124, 32%
- Other.Non.Conforming: 89, 0%

Individual State Information

Texas Inquiry Type Breakdown

If an attorney is interested or specializes in representing a certain category of client issue, they could be interested in certain states in which that issue is more common.

Thank you.