

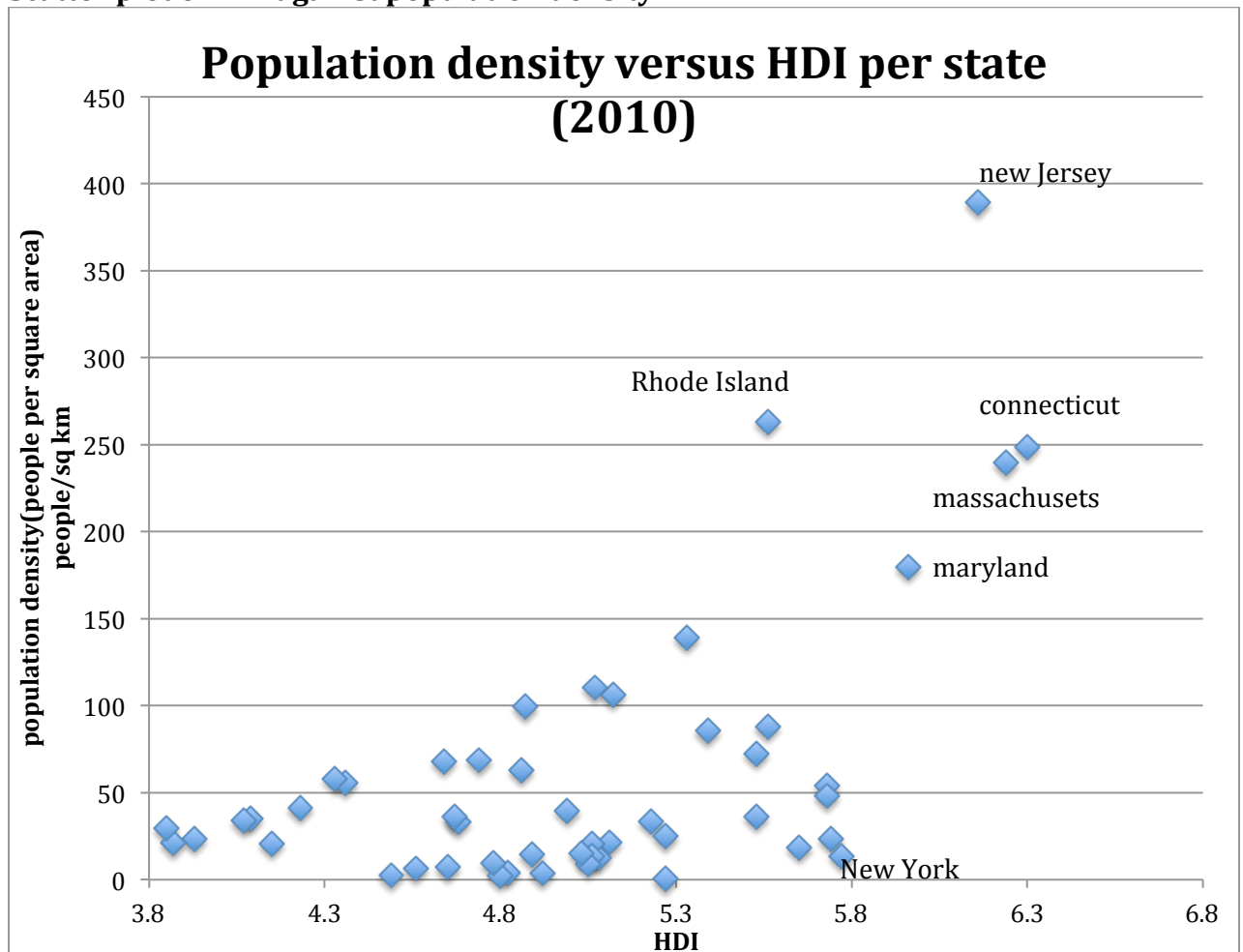
Different indices are used to determine the how development a place is. I will be using the Human Development index to show the most developed and least developed states in the U.S. I will compare these results along the population density per state. The HDI is an index that combines the measure of four indicators that is to say life expectancy, literacy education, standard of living and the general well being of the people.

The higher the population density, the higher the HDI measure thus more developed.

### Map of U.S. showing the HDI measure, population density<sup>1</sup>

<http://www-958.ibm.com/software/data/cognos/manyeyes/visualizations/map-of-us-showing-the-hdi-populati>

### Scatter plot of HDI against population density



<sup>1</sup> <http://www-958.ibm.com/software/data/cognos/manyeyes/visualizations/map-of-us-showing-the-human-develo>

**COMPLETE VISUALISATION WILL ALSO INCLUDE**

- **Further focus on the states I claim to be more developed (top right corner)- using another index like GDP per capita**

**Reference:**

1. <http://2010.census.gov/2010census/data/apportionment-pop-text.php>
2. <http://geography.about.com/od/usmaps/a/states-area.htm>
3. [http://en.wikipedia.org/wiki/List\\_of\\_U.S.\\_states\\_by\\_HDI](http://en.wikipedia.org/wiki/List_of_U.S._states_by_HDI)
4. <http://www-958.ibm.com/software/data/cognos/manyeyes/visualizations/map-of-us-showing-the-hdi-populati>
- 5.

**Appendix**

<b>state</b>	<b>HDI(2010/2011)</b>	<b>POPULATION (2010)</b>	<b>AREA (2010)/sq km</b>	<b>POPULATION DENSITY(people/a</b>
connecticut	6.3	3574097	14356	248.9618975
massachusetts	6.24	6547629	27335	239.5327968
New jersery	6.16	8791894	22587	389.2457608
maryland	5.96	5773552	32134	179.6711272
new york	5.77	1937102	141325	13.70671856
minnesota	5.74	5303925	225171	23.55509813
new hampshire	5.73	1316470	24216	54.36364387
hawaii	5.73	1360301	28311	48.04849705
colorado	5.65	5029196	269600	18.65428783
rhode island	5.56	1052567	4001	263.075981
california	5.56	37253956	423968	87.86973545
virginia	5.53	8001024	110784	72.22183709
washington	5.53	6724540	184666	36.41460799
illinois	5.39	12830632	149997	85.53925745
delaware	5.33	897934	6446	139.3009618
alaska	5.27	710231	1717854	0.41344084
vermont	5.27	625741	24900	25.13016064
wisconsin	5.23	5686986	169639	33.52404813
pennsylvania	5.12	12702379	119282	106.4903254
arizona	5.11	6392017	295254	21.6492139
utah	5.08	2763885	219887	12.56956982
florida	5.07	18801310	170305	110.3978744
iowa	5.06	3046355	145741	20.90252571

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kansas	5.06	2853118	213096	13.38888576
nebraska	5.05	1826341	200346	9.115934433
oregon	5.03	3831074	254803	15.03543522
michigan	4.99	9883640	250493	39.45675129
north dakota	4.92	672591	183112	3.673112631
maine	4.89	1328361	91647	14.4943206
ohio	4.87	11536504	116096	99.37038313
georgia	4.86	9687653	153910	62.9436229
south dakota	4.82	814180	199730	4.076403144
wyoming	4.8	563626	253334	2.224833619
nevada	4.78	2700551	286352	9.430878779
indiana	4.74	6483802	94322	68.74114205
missouri	4.68	5988927	180532	33.17376975
texas	4.67	25145561	696241	36.11617385
idaho	4.65	1567582	216445	7.242403382
north carolina	4.64	9535483	139988	68.11643141
new mexico	4.56	2059179	314914	6.538861403
montana	4.49	989415	380837	2.598001245
south carolina	4.36	4625364	82931	55.77364315
tennessee	4.33	6346105	109150	58.14113605
kentucky	4.23	4339367	104659	41.4619574
oklahoma	4.15	3751351	181035	20.72168918
alabama	4.09	4779736	135765	35.20595146
louisiana	4.07	4533372	134265	33.76436152
mississippi	3.93	2967297	125433	23.65643013
arkansas	3.87	2915918	137730	21.17126262
west virginia	3.85	1852994	62755	29.52743208