



Final Report

APPLIED DATA SCIENCE CAPSTONE

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Data Germany

	City	Inhabitants_2018	Area km²(2016)	Inahb./km²(2018)	Region
0	Berlin	3.644.826	89168	4.088	Berlin
1	Hamburg	1.841.179	75522	2.438	Hamburg
2	München	1.471.508	31070	4.736	Bayern
3	Köln	1.085.664	40502	2.681	Nordrhein-Westfalen
4	Frankfurt am Main	753.056	24831	3.033	Hessen

	City	Bruttoinlandsproduktin Mio. €	Bruttoinlandsproduktpro Kopf in €
0	Berlin	130.537	36.798
1	Hamburg	112.959	62.793
2	München	109.571	75.186
3	Frankfurt am Main	66.917	91.099
4	Köln	63.463	59.407

Data Germany with Geo Data

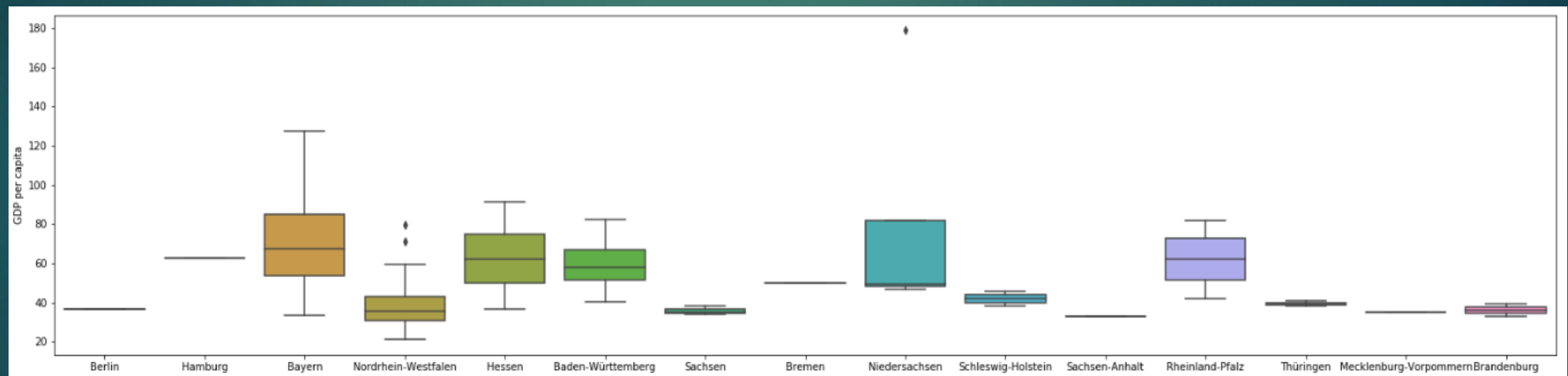
	City	Inhabitants_2018	Area km²(2016)	Inahb./km²(2018)	Region	GDP in MIO	GDP per capita	Avearage GDP per capita (Region)
0	Berlin	3.644.826	89168	4.088	Berlin	130.537	36.798	40.568
1	Hamburg	1.841.179	75522	2.438	Hamburg	112.959	62.793	65.603
2	München	1.471.508	31070	4.736	Bayern	109.571	75.186	47.946
3	Nürnberg	518.365	18638	2.781	Bayern	28.130	55.071	47.946
4	Augsburg	295.135	14684	2.010	Bayern	14.060	48.824	47.946

	City	Inhabitants_2018	Area km²(2016)	Inahb./km²(2018)	Region	GDP in MIO	GDP per capita	Avearage GDP per capita (Region)	Latitude	Longitude
0	Berlin	3.644.826	89168	4.088	Berlin	130.537	36.798	40.568	52.517037	13.388860
1	Hamburg	1.841.179	75522	2.438	Hamburg	112.959	62.793	65.603	53.550341	10.000654
2	München	1.471.508	31070	4.736	Bayern	109.571	75.186	47.946	48.137108	11.575382
3	Nürnberg	518.365	18638	2.781	Bayern	28.130	55.071	47.946	49.453872	11.077298
4	Augsburg	295.135	14684	2.010	Bayern	14.060	48.824	47.946	48.366804	10.898697

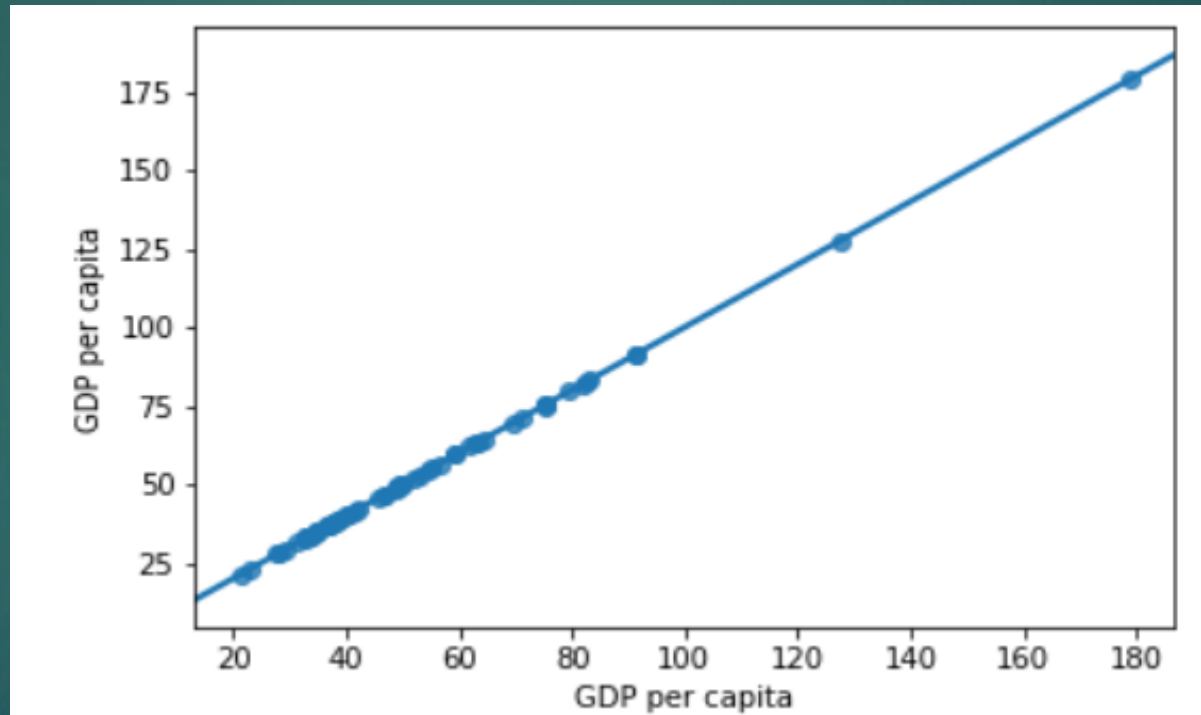
Foursquare Dataframe

	name	categories	address	city	distance	lat	lng	state
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Conclusion of the regions



Regression



Germany Map



Coffee Bars Map

