

Understanding GDP per Capita

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Summary

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- 2 Definition
- 3 Challenges
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- 5 Questions were looking to answer
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Introduction

- Entrepreneurship
- Economics
- GDP
- Successful Business

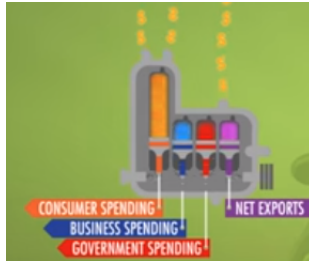


Figure: Visual on consumer spending



Definition

- GDP - GDP is the total value of everything produced by all the people and companies in the country.
- Expenditures - The total amount of money that a government, organization, or person spends during a particular period of time (PCE)
- Population - All the inhabitants of a particular town, area, or country.
- Poverty Rate - Is the Ratio of the number of people who fall below the poverty line and the total population.
- Average Weather- To find interesting correlation within data



Challenges

- Data set is small
- Oil prices
- User error
- Natural resources



Figure: Oil Prices



Approaches

- Null Hypothesis - Population will be the biggest factor in terms on GDP
- Alternative Hypothesis
- Analysis

State	Expend	gdp	lyr	pop	Age	Male	Femals	povRate	Avgweather
Alabama	204861	1.11	2016	4863300	39	2320188	2459548	1.9	62.8
Alaska	50713	0.27	2016	741894	33.5	369628	340603	1.6	26.6
Arizona	302952	1.64	2016	6931071	37.5	3175823	3216194	1.5	60.3
Arkansas	120689	0.65	2016	2988248	38	1431637	1484281	1.1	60.4
California	2602672	14.1	2016	39250017	36.4	18517830	18736126	0.6	59.4
Colorado	323692	1.75	2016	5540545	36.7	2520662	2508534	1.4	45.1
Connecticut	263379	1.43	2016	3576452	40.9	1739614	1834483	1.4	49
Delaware	70387	0.38	2016	952065	40.6	434939	462995	1.4	55.3
Florida	926817	5.02	2016	20612439	42.1	9189355	9611955	0.9	70.7
Georgia	525360	2.85	2016	10310371	36.5	4729171	4958482	1.4	63.5
Hawaii	83917	0.45	2016	1428557	38.9	681243	679058	1.3	70
Idaho	67275	0.36	2016	1683140	36.1	785324	782258	1.3	44.4
Illinois	791608	4.29	2016	12801539	37.9	6292276	6538356	1	51.8
Indiana	341909	1.85	2016	6633053	37.6	3189737	3294065	1.2	51.7



Questions were looking to answer

- 1. Does the male/female ratio affect GDP growth?
- Is there a correlation between weather and GDP Growth?
- 3. Do states with higher population have higher GDP?
- 4. Do states with lower population have higher GDP?



Continued

- 5. Is there an connection between the average age and GDP?
- 6. Does higher GDP rate make higher poverty rate?
- Constant checking



Results

- Why is this happening?
- Hypothesis

