Proposal for ANLY\_503 Project

Group 4: Min Xiao, Ze Zheng, Wupeng Han, Yimeng Xu, Jie He

What factors are associated with poverty?

1. How does poverty distribute among different countries?
2. How does the poverty distribution change across time?
3. Is there a correlation between education, population, employment, political system, geographical location, fundamental construction, medical system and poverty?
4. Is there any difference in public health between rich countries and poor countries?
5. What are the consequences of poverty?

Data source

<https://data.oecd.org>

<https://data.worldbank.org>

Main question: Which factors are associated with poverty?

1. How is poverty distributed among different countries?

2. How does the distribution of poverty change over time?

3. Is there a correlation between education, population, employment,

political system, geographic location, fundamental construction,

medical system and poverty?

note: what is fundamental construction?

4. Is there any differences in public health between rich countries and

poor countries?

5. What are the consequences of poverty?

Proposal for ANLY\_503 Project

Group 4: Min Xiao, Ze Zheng, Wupeng Han, Yimeng Xu, Jie He

Used Car Price Analysis in the US

1. Which brands/models are most active in the used car market? May also compare with the new cars’ sale.
2. What’s the price and volume distribution of used cars in the US by brands/ model/ registration year/ mileage/ geography?
3. Which Brands/Models are more likely to maintain values after sold?

the relationship between used cars' price.

3.1 Car features(year, mileage, luxury) has an influence on price

Combine multiple variables.

parallel coordinates plot

3.2 Popularity(from new cars data) Vs price Vs used\_cars volume

1. Will the state/city public transportation influence the price of used Cars? (subway, taxi, uber) and how?
2. Will the income/economics influence the price of used cars? And how?