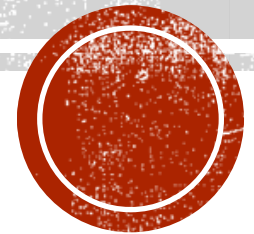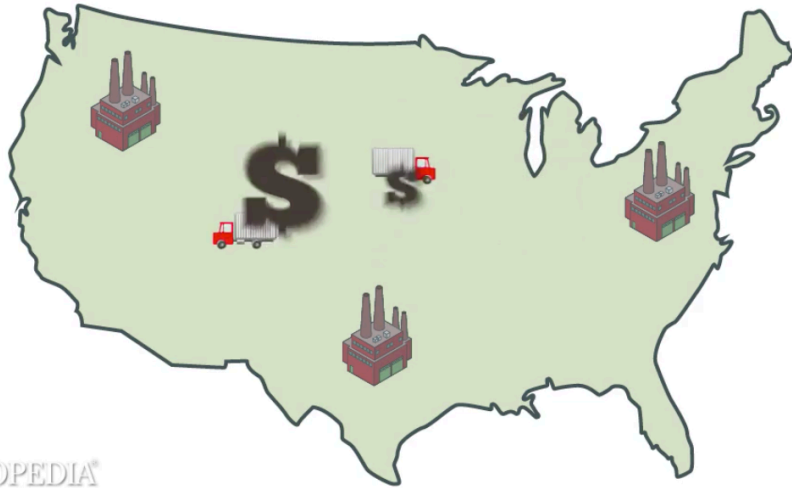# INTRODUCTION

GROSS DOMESTIC PRODUCT

INVESTOPEDIA

WHAT IS GDP ?

- **Gross Domestic Product (GDP)**
- GDP per capita based on constant
- **GDP=C(consumption)+I(Invest ment)+G(government spending)+NX(net exports)**

BUT….

- The concept is still too abstract

MOTIVATION

- To help people have a better understanding of GDP.

STEPS

1. Data pre-processing

2. K-mean unsupervised learning
   - Assumption about what attributes relate to GDP

3. Regression
   - What regressors related to GDP and how much those regressors related to GDP
   - A model to estimate GDP base on given regressors

4. Result visualization

REGRESSORS

1. GDP(constant 2010 US$).csv
2. co2 emissions.csv
3. commercial bank branches.csv
4. foreign direct investment net inflows.csv
5. gini index.csv
6. government expenditure on education.csv
7. internetUsers.csv
8. labor force.csv
9. life expectancy.csv
10. mobile cellular subscriptions.csv
11. railways goods transported.csv
12. school life expectancy.csv
13. technical articles.csv
14. time required to start a business.csv
15. unemployment rate.csv