

Project Title (5pts)

Drug utilization in USA with Part D

Team Names

Team 13

Project Summary (10pts)

Through Data World's Part D insurance data from 2011 to 2015, users can learn about the use of drugs in the United States and investigate the needs for specific drugs and the reasonable price accordingly. The project targets consumers of medicines and national decision-makers.

Project Description (30pts)

- Team: Sangzun Park(individual)
- Objectives: Research drug consumption trends and prices and analyze whether the drug prices are reasonable considering the public interest. Also, think about optimal drug prices for the public.
- Usefulness: The target users of this website are patients or patients' families and national policy makers. A patient with a specific disease or a patient's family can use this data to find out if the price of the medicine they are consuming is appropriate, and through this, they can try a more reasonable purchase. National policy makers can know drug consumption trends and, by making direct or indirect adjustments to specific drug prices, find the optimal point for public interest and free market economic systems.
- Dataset: Dataset for and from the drug-spending channel in the Data for Democracy community. (<https://data.world/data4democracy/drug-spending>) and is created in 2018. The purpose of this dataset is finding ways to make Medicare drug spending data more consumable. The format of the data is 'CSV' and its column count is 12 in each year and row number is 4498.
- Communication and Sharing: This project is one person project.
- Milestones:
 - Week 8 - project description
 - Week 11 - database
 - Week 13 - web app mock
 - Week 14 - short video presentation
 - Week 15 - full demo