Capstone 2

Idea Determination

Del Wester   10/14/2020

Idea One   Wine Quality

Using red and white wine samples, inputs include objective tests (PH values) and the output is based on sensory data (wine tasting by experts). Using a median of at least 3 evaluations, each expert graded the wine quality between 0 (very bad) and 10 (very excellent). Several data mining methods were applied to model these datasets under a regression approach. The objective being to determine wine quality. Data source:
http://www3.dsi.uminho.pt/pcortez/winequality09.pdf

Idea Two   Poverty Rate by Education

Statistics that show the poverty rate in the United States among all people in 2019, by education. In 2019, about 3.9 percent of the people with a Bachelor's degree or higher were living below the poverty line in the United States. Data source:
https://www.statista.com/statistics/233162/us-poverty-rate-by-education/

Idea Three   U.S. Home Sales

Statistics that show the number of existing homes sold in the United States from 2005 to 2019, and a forecast thereof for 2020 and 2021. In 2019, around 5.34 million of existing homes were sold in the United States. Data Source:
https://www.statista.com/statistics/226144/us-existing-home-sales/