**Cap-stone: Team4**

**Topic: Diamonds Sales**

1. Dataset: <https://www.kaggle.com/shivam2503/diamonds>
2. What you plan/hope to predict:
   * Diamond’s worth depending on the specifications.
3. Screenshots for tableau inspiration
   * Chart on price, year, model

Chart, bar chart, histogram

Description automatically generated Chart, scatter chart

Description automatically generated Chart, scatter chart

Description automatically generated Graphical user interface, chart

Description automatically generated Chart, scatter chart

Description automatically generated Graphical user interface, chart, scatter chart

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1. Links to code/notebooks for ML inspiration
   * <https://www.kaggle.com/alfathterry/cars-price-prediction-automl>
   * <https://www.kaggle.com/fuzzywizard/diamonds-in-depth-analysis>
   * <https://www.kaggle.com/himahima/prediction-diamond-prices>
2. Break down of roles/responsibilities
   * Machine Learning/Flask: Justin Merryman
   * Tableau: Patricia Berry, Cade Culver, Karla Murphy
   * Web design: Cade Culver, Karla Murphy
   * Write Up: Patricia Berry
   * Power Point: Karla Murphy
   * Read me: All
3. Basic hypotheses, trends
   * Identify sales trends so we can predict the diamond pricing/value and/or future sales.
   * Sales trends by carats
4. Design inspirations - color schemes, fonts, etc.
   * <https://coolors.co>
   * <https://bootswatch.com/slate/>
   * <https://bootswatch.com/lux/>