


Predicting Achievement in Mathematics

Presented by: Erica, Melissa, & Jess

Reason for Choosing Mathematics Achievement

- Two of the three members are currently classroom teachers
- Achievement in mathematics develops critical thinking skills, is essential for many careers, promotes intellectual curiosity, enhances cognitive abilities, and can lead to innovation.

Description of Data Source



We chose to use a fictional dataset due to the ethical and legal concerns about using real student data. The site we used provides data solely for data science training purpose.



Question Guiding the Project

What factors best predict mathematics achievement?

Data Exploration Phase



Analysis Phase



Technologies, Languages, Tools, & Algorithms



PostgreSQL/
PGAdmin



Jupyter Lab/
Notebook



Python



Google Slides



PANDAS



SKlearn



Tableau



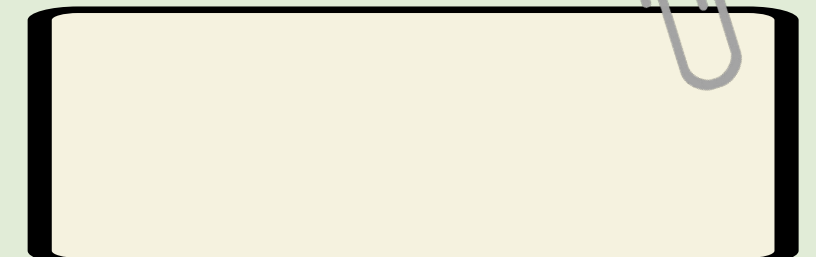
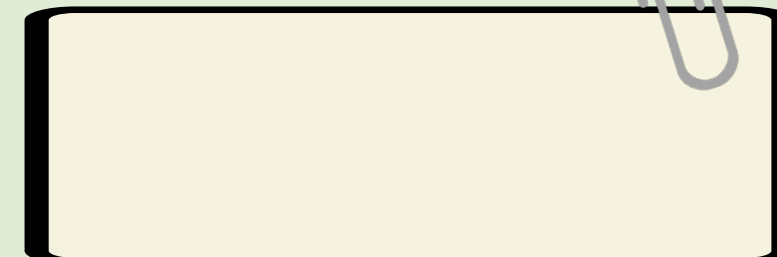
SQLAlchemy



Logistic
Regression



Balanced
Random Forest



members



name

Briefly elaborate on what
you want to discuss.



name

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name

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you want to discuss.

chart

01

Add a main point

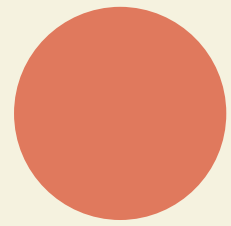
Briefly elaborate on what
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02

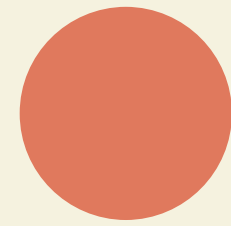
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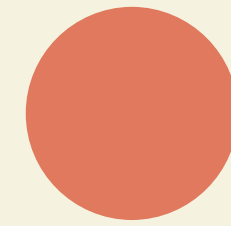
Text

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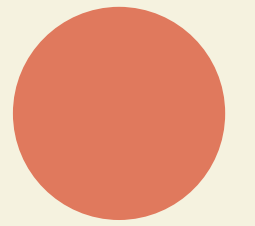
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