2022 Datafest
Elm City Stories
Team: Sloth

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Data Trend Discovery

Total Time Played in Different Scenarios

Age Scenarios Donut Plot

- Outer donut to inner donut goes from scenario **Cheaters** to **First job** (same as the bar plot on the right)
- **Age 11** percentage decreases as game goes on
- **Male** percentage decreases as game goes on

Gender Scenarios Donut Plot

- **Cheaters** and **Kissing** scenarios are the most popular
- **Prom** scenario is the least popular

**Cheaters**

**Poolside**

**Kissing**

**Fills**

**Misbehaving**

**New Year's**

**Serious**

**Racing**

**Scare**

**Prom**

**Confide**

**First Job**
Modeling and Insights

Hierarchical Clustering

- Principal Component Analysis
- Leave One Out Cross Validation

Logistic Regression

Confusion Matrix

As failure rate increases, number of completed stacks decreases

Reducing difficulty level leads to a more thorough game experience

Use more predictors to find the similarity between players