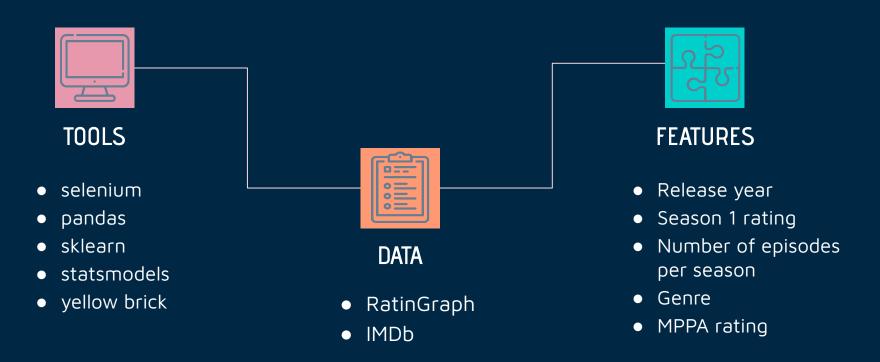


#### Goals

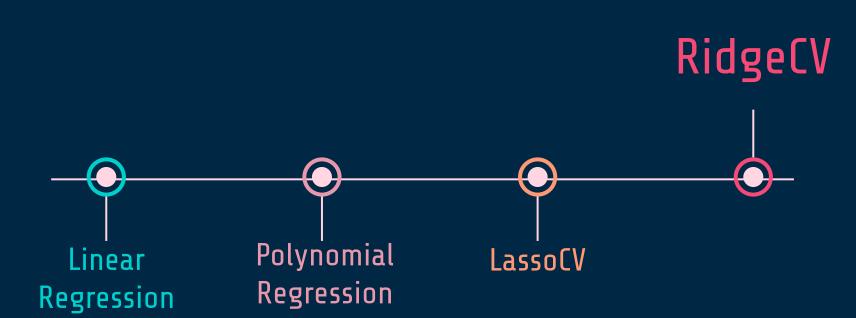
Can we predict the lifespan of a TV show?



#### **Approach**



#### Models





## Models RidgeCV Polynomial LassoCV Linear Regression Regression

#### Results - Genre Coefficients

#### Positive 🛷

- Crime
- Comedy
- Family

#### Negative 💢

- Documentary
- Biography
- Action

#### Results - Genre Coefficients



- Crime
- Comedy
- Family

#### Negative 💢

- Documentary
- Biography
- Action

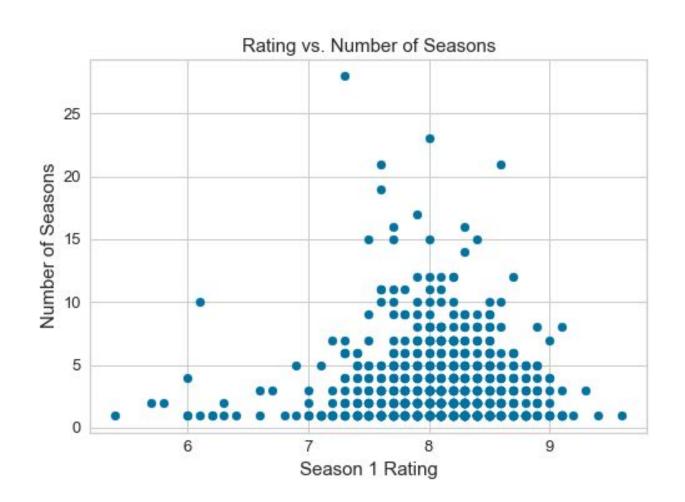
#### Results - Genre Coefficients

#### Positive 🛷

- Crime
- Comedy
- Family

### Negative 🂢

- Documentary
- Biography
- Action



# Results - Accuracy

R<sup>2</sup> ~ 0.37

Adj. R^2 ~ 0.35

MAE ~1.6 Seasons

RMSE ~5.44 Seasons



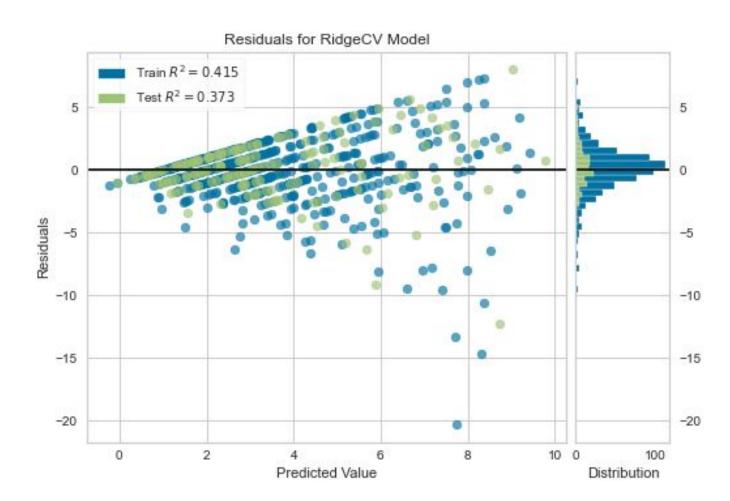
#### My favorite show...

Prediction = 1.3 seasons

Reality = Just renewed for

Season 3!





## Future Work

- -Production company
- -First season profit
- -Social media mentions

