

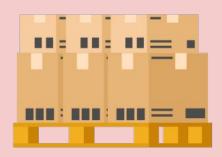
Predicting Game Sales

Vitoria Calil

Why predicting game sales?

- Improve relationship between GD Companies and affiliate stores
- Decrease spendings, increase revenue





Data Acquisition & Data Processing

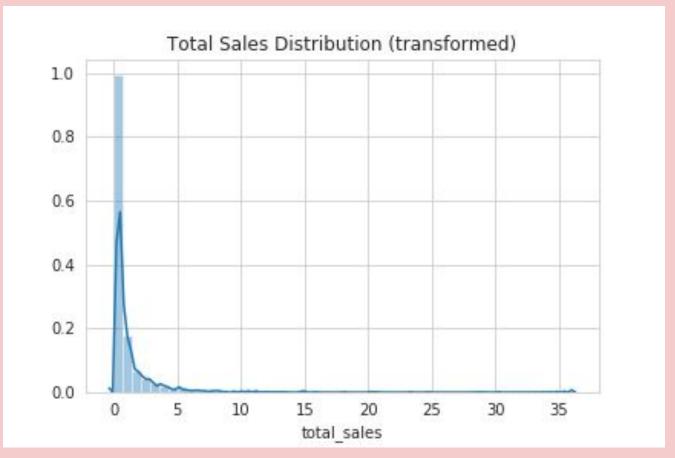
Data Acquired:

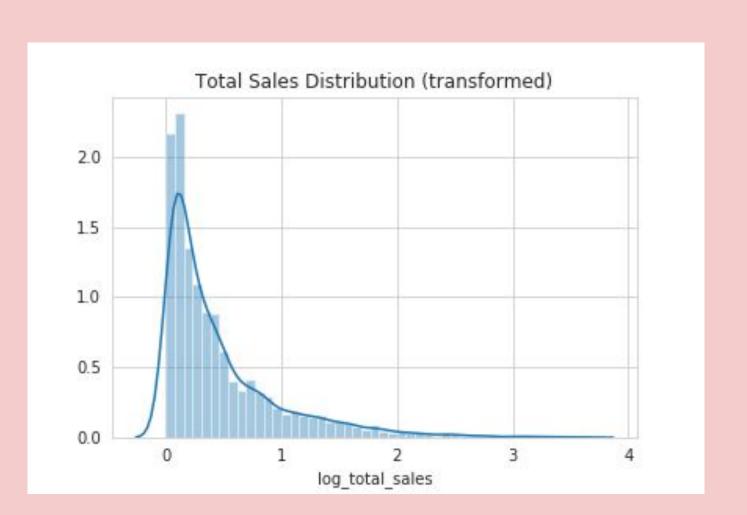
- 2369 games
- 27 different consoles
- 190 publishers
- 16 genres





Target distribution



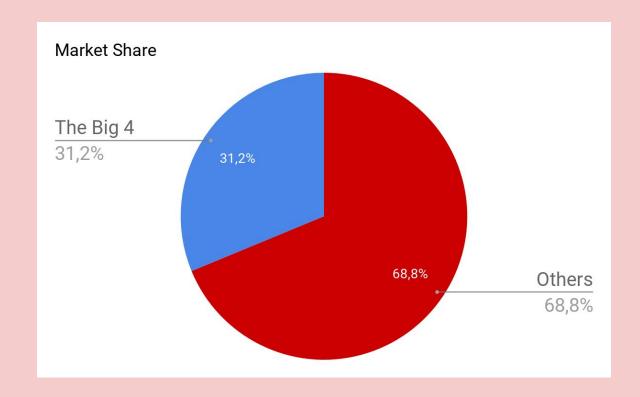


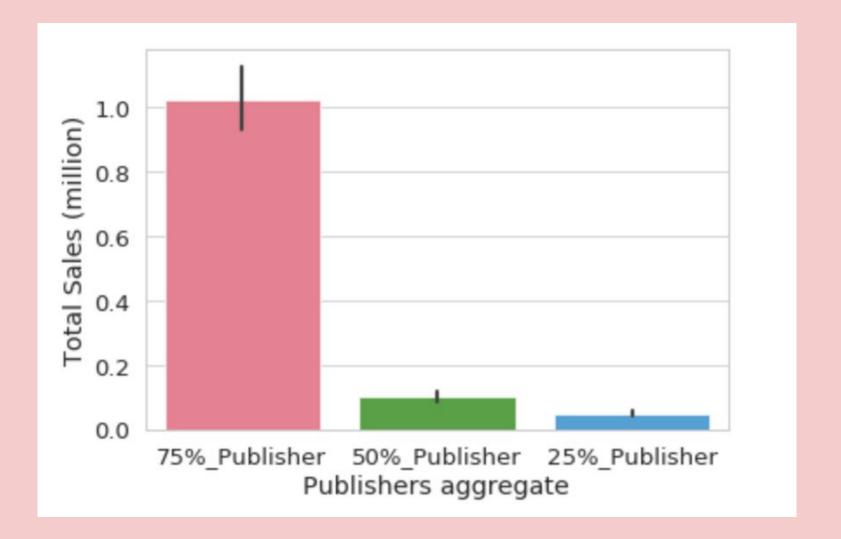
Games Industry











Modeling

Features

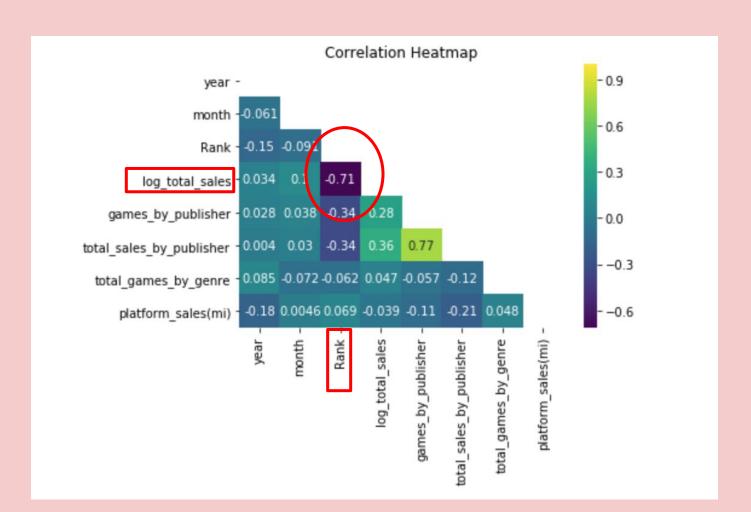
VG Chartz:

- Rank position
- Console
- Release Date
- Game Publisher

- Ratings

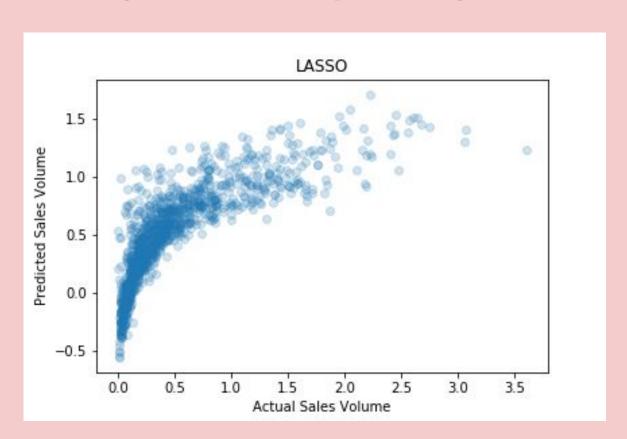
Other sources:

- Games by Publisher
- Total Sales by Publisher
- Games by Genre
- Console sales



How good am I in precting sales volume?

How good am I in precting sales volume?

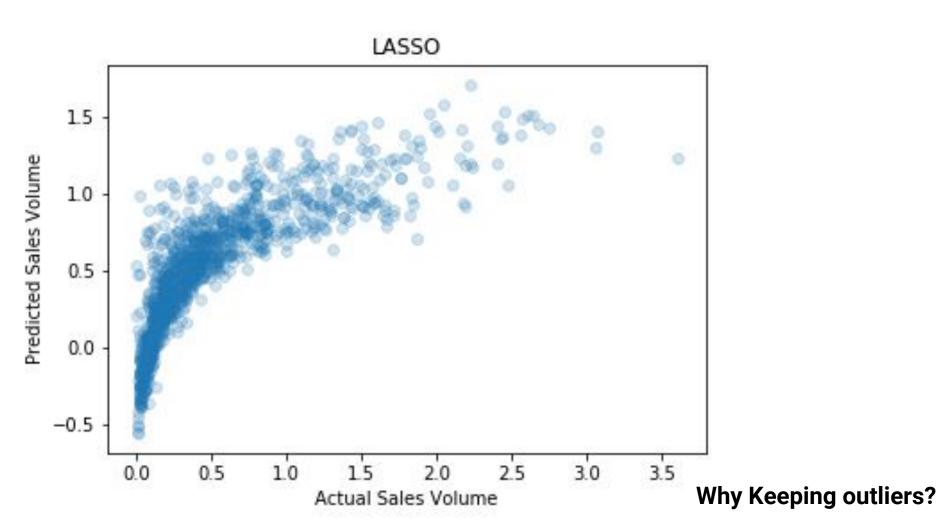


Linear Model LASSO Regulariztion

Training set: **R2 - 58.88%**

Test set: **R2 - 56.03%**

Holdout set: **R2 - 46.69%**



Most relevant features

Publishers:

- Nintendo
- Take-Two Interactive
- Sony Ent.
- Activision

Others:

- Ranking
- Ratings MATURE
- Platform PS4





Least relevant features

- Small publishers
- Platform PSP

Next steps...

Improve the model to the top 10% publishers

More features (Sales by region, Marketing Budget, Theme of the game)

Use advanced models

IT'S FRIDAY!!!

