KICKSTARTER

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funded with state of the state

The dataset

- 1. ID = Internal kickstarter ID
- 2. Name = Name of the project
- 3. Main_category = Category of the campaign
- 4. Category = Sub category of the main_category
- 5. Currency = Currency used to support the project
- 6. Deadline = Deadline for crowdsourcing
- 7. Goal = fundraising goal
- 8. Launched = When is the project launched
- 9. Pledge = How much money was gathered by the crowd
- 10. State = The state of the project (e.g. success, failure)





- 1. Backers = Number of people that backed the project
- 2. Country = The country of origin
- 3. Usd_pledged = Pledged amount in USD done by KickStarter
- 4. Usd_pledged_real = Pledged amount in USD using currency converter
- 5. Usd_goal_real = Goal amount in USD



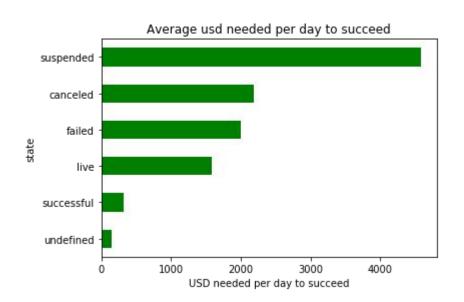


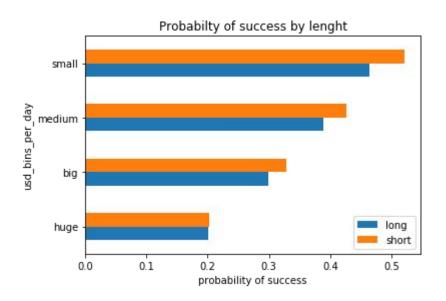
Feature engineering

- Number of characters in the name of the project
- Number of words
- Number of syllables
- Launched week, month and weekday
- Days to collect the money
- Average amount needed per day to succeed
- Average amount donated per backer
- Difference between mean goal per category and the goal of the project





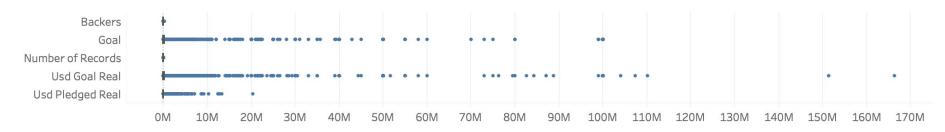




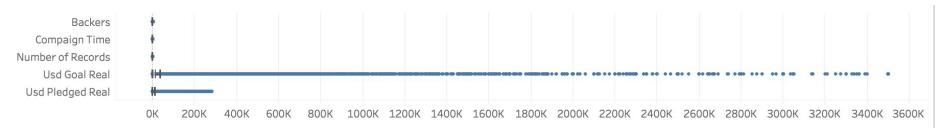




Before

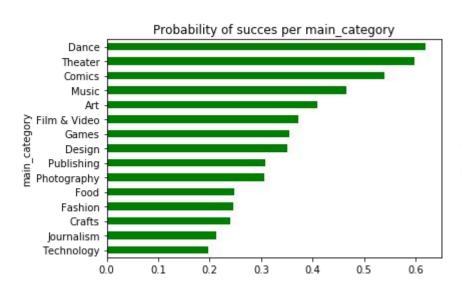


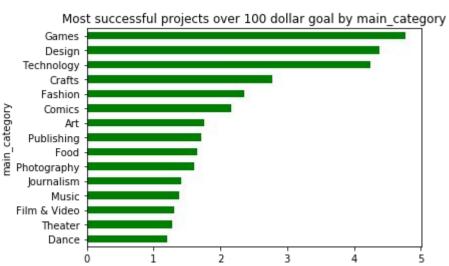
After





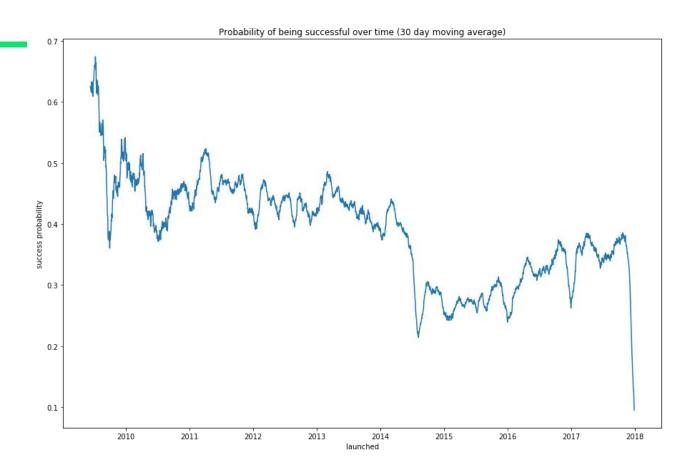








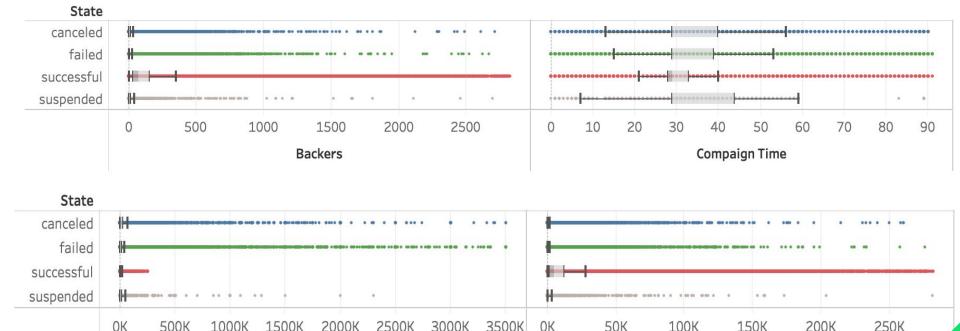




Successful v.s. Others

Usd Goal Real



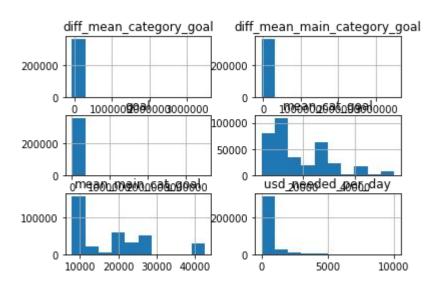


Usd Pledged Real

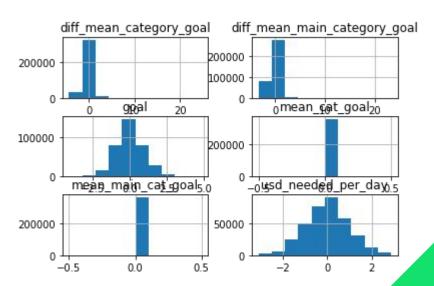




Before

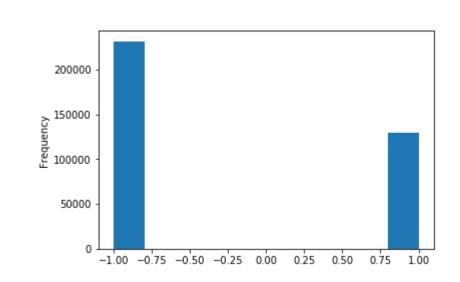


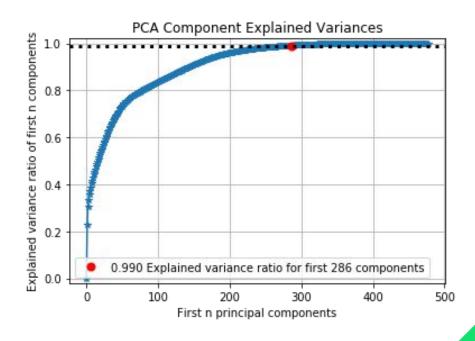
After















Model	Accuracy
Logistic regression	69.2%
Extra Tree Classifier	68%
SGDClassifier	68.7%
RBFSampler	66.5%
Neural Network	69%
Gradient Boosting Classifier	69%
XGBoost	Takes too long

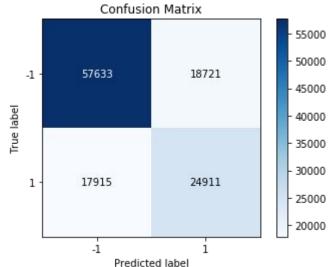
Result: LogisticRegression

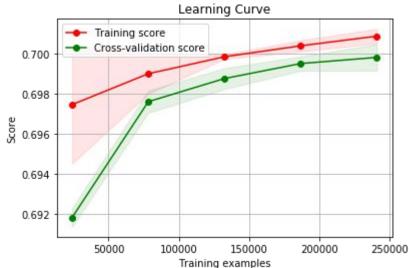


support

<pre>clf = LogisticRegression(C=0.01, n_jobs</pre>	= -1)	1 0.7 1 0.5		0.76 0.58	76354 42826
micro avg		g 0.6	9 0.69	0.69	119180
macro avg		g 0.6	7 0.67	0.67	119180
	weighted av	g 0.6	9 0.69	0.69	119180

precision





recall

f1-score