Minimum Viable Product (MVP)

Early Stage Project Success Measurement

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Introduction

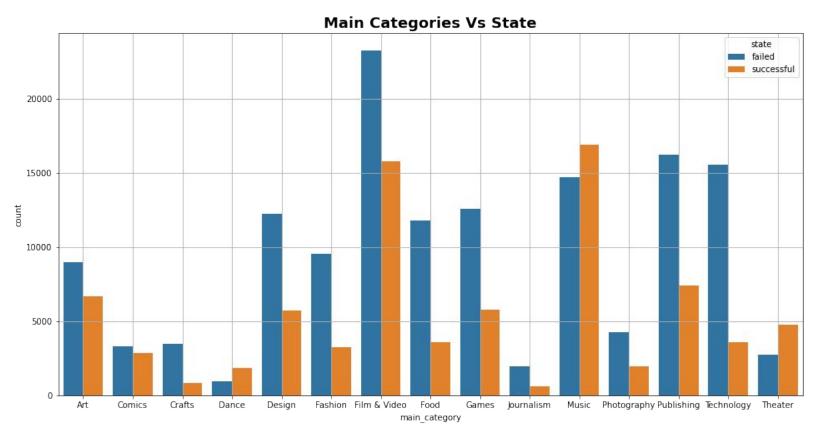
The main goal of the project is to determine if a startup idea will succeed or fail that is a useful tool for entrepreneurs to assess their ideas and for investors to determine to invest or not.

main_category -	1	-0.016	0.0017	0.0033	-0.012	-0.018	-0.015	0.03	0.023
currency -	-0.016	1	-0.0066	0.0007	0.069	0.051	0.99	0.00061	0.025
goal -	0.0017	-0.0066	1	0.0071	-0.025	-0.019	-0.0056	-0.0054	0.023
pledged -	0.0033	0.0007	0.0071	1	0.11	0.098	0.0013	0.025	0.0016
state -	-0.012	0.069	-0.025	0.11	1	0.64	0.066	0.065	-0.11
backers -	-0.018	0.051	-0.019	0.098	0.64	1	0.048	0.092	-0.07
country -	-0.015	0.99	-0.0056	0.0013	0.066	0.048	1	-0.00026	0.026
title_len -	0.03	0.00061	-0.0054	0.025	0.065	0.092	-0.00026	1	0.0069
period -	0.023	0.025	0.023	0.0016	-0.11	-0.07	0.026	0.0069	1
	main_category	currency	goal	pledged	state	backers	country	title_len	period

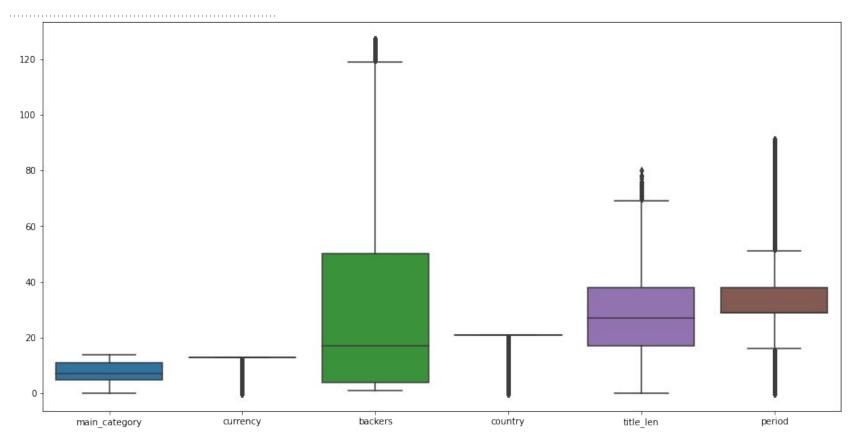
- 0.75 - 0.50 - 0.25 - 0.00 - -0.25

- 1. The maximum correlation with the target column "state" is the number of backers with 64%. Also, the "state" has a positive correlation with the pledge amount of money with 11%. In contrast, the "state" has a negative correlation with the launched project year and how long was it on "period" both with -11%.
- 2. The currency is correlated with the country as expected so one of them must be dropped before training.
- **3.** The launched project year is negatively correlated with the country -29%.

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Film & Video has the most failed projects while the Music category has the most successful one relative to the category.



Obviously, most features have outliers and needed to be considered especially when using deep neural networks.