Project 2

Bangkok Housing Price

At first with individual perspective I try to calculate `price_per_sqm` to leverage unit since `land_area` and `floor_area` is different weight in remote province

But found out that in this data set `land_area` didn't correlate that much may be location range isn't different too much

id -	1	-0.019	0.037	0.018	0.023	-0.034	0.0033	0.013	-0.0067	-0.066	-0.039	-0.032	-0.056	-0.042	-0.05
total_units -	-0.019	1	-0.24	-0.23	-0.25	0.23	0.055	0.068	-0.075	0.03	0.15	-0.051	-0.035	0.15	-0.28
bedrooms -	0.037	-0.24	1	0.85	0.8	-0.25	-0.0056	0.1	0.023	-0.48	-0.42		-0.47	-0.74	0.24
baths -	0.018	-0.23	0.85	1	0.8	-0.23	0.016	0.089	0.042	-0.44			-0.41	-0.66	0.33
floor_area -	0.023	-0.25	0.8	0.8	1	-0.25	0.027	0.099	0.045	-0.43				-0.69	0.34
floor_level -	-0.034	0.23	-0.25	-0.23	-0.25	1	0.024	-0.018	-0.15	0.3	0.21	0.1	0.18	0.3	0.2
land_area -	0.0033	0.055	-0.0056	0.016	0.027	0.024	1	0.0053	-0.012	-0.0095	-0.013	-0.013	-0.002	-0.0067	0.038
latitude -	0.013	0.068	0.1	0.089	0.099	-0.018	0.0053	1	-0.43	-0.062	0.055	-0.13	-0.12	-0.11	-0.051
longitude -	-0.0067	-0.075	0.023	0.042	0.045	-0.15	-0.012	-0.43	1	-0.15	0.011	-0.0071	-0.037	-0.031	0.036
nearby_stations -	-0.066	0.03	-0.48		-0.43	0.3	-0.0095	-0.062	-0.15	1	0.33	0.41	0.56	0.49	0.24
nearby_bus_stops -	-0.039	0.15	-0.42			0.21	-0.013	0.055	0.011	0.33	1	0.42	0.42	0.39	-0.057
nearby_supermarkets -	-0.032	-0.051				0.1	-0.013	-0.13	-0.0071	0.41	0.42	1	0.73	0.38	0.23
nearby_shops -	-0.056	-0.035	-0.47	-0.41		0.18	-0.002	-0.12	-0.037	0.56	0.42	0.73	1	0.47	0.26
year_built -	-0.042	0.15	-0.74	-0.66	-0.69	0.3	-0.0067	-0.11	-0.031	0.49	0.39	0.38	0.47	1	-0.03
price -	-0.05	-0.28	0.24	0.33	0.34	0.2	0.038	-0.051	0.036	0.24	-0.057	0.23	0.26	-0.03	1
	- pi	total_units -	bedrooms -	baths -	floor_area -	floor_level -	land_area -	latitude -	longitude -	nearby_stations -	nearby_bus_stops -	nearby_supermarkets -	nearby_shops -	year_built -	price -

- 0.8

- 0.6

- 0.4

- 0.2

- 0.0

- -0.2

- -0.4

- -0.6

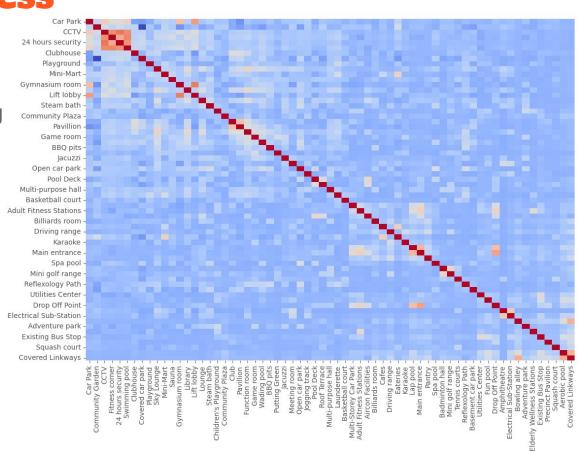
So I try with EDA process

Scanning for `nil` value and clean its up with `mean` value (after use individual expectation to only 1 floor for Detach House etc..)

Classified `property_type` and `province` also `district` with `get_dummies`

Extract `facilities`

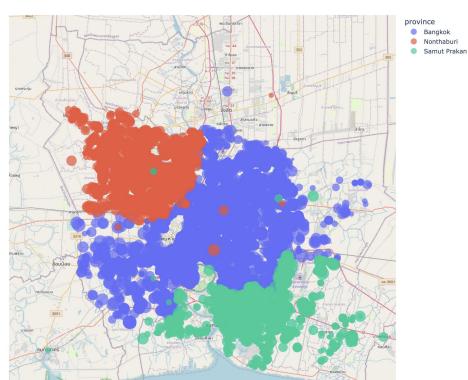
into column and modeling



After all of normal process of EDA Kaggle score is better than worst benchmark

model

After seeing the map



I try experiment (with some guidance from Nozomi)

As hypothesis that `Siam` is the most expensive housing price in Bangkok

So .. as Spider Man far From Home I code

Experiment How Far From Siam

create function to get distant from Siam (hypothesis that Siam is Expensive price for Accomodation)

And got a luck that RMSE score is better

4 fake-or-dead



1,183,779

5

9s



Your Best Entry!

Your most recent submission scored 1,183,779, which is the same as your previous score. Keep trying!

82%

Better that Dummy Regression

-14.41%

From the Best Model

Thank you