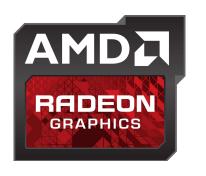
Tackling GPUBoss.com Review Scores

October 12, 2018

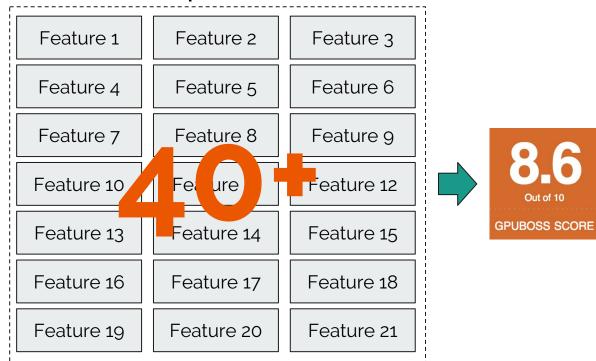




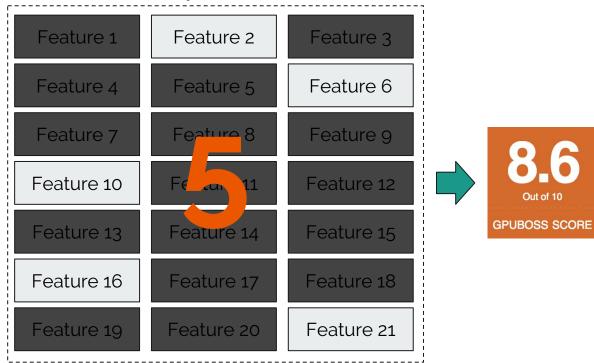




GPU Specifications



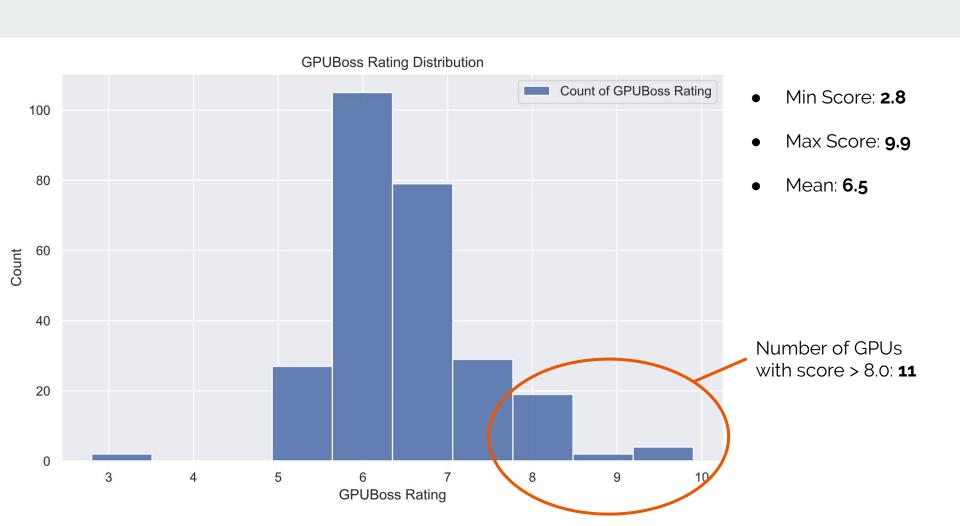
GPU Specifications



8.6

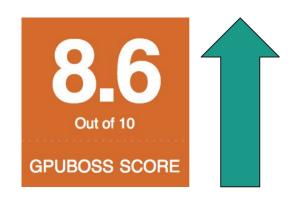
Out of 10

ye5



Goal

Define Graphics Processing Unit (GPU) specifications that result in **higher** review scores from reputable website GPUBoss.com

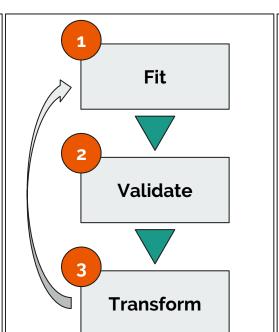


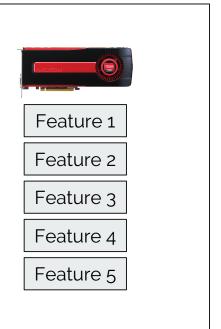
Approach



Capture:

- GPUBoss Review Scores
- Benchmarks
- GPU Specifications



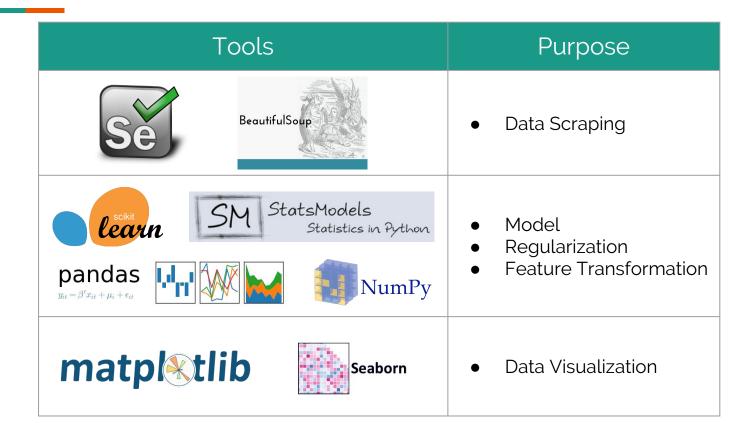


Data

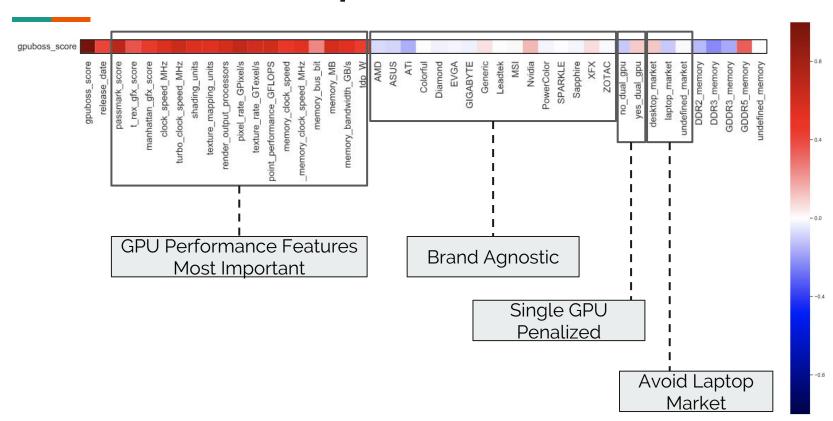
Model

Predict

Tools



Correlation Heatmap



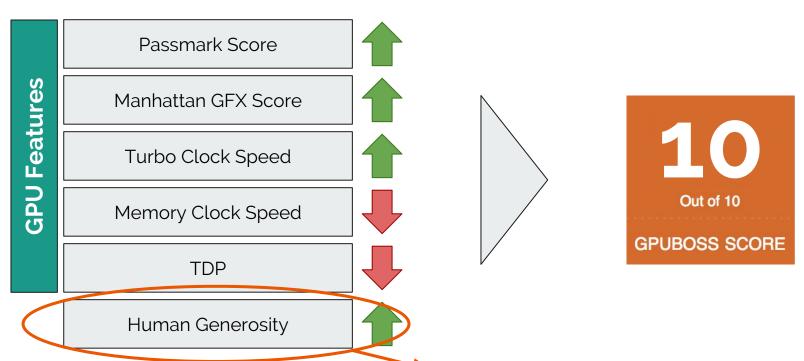
Final Results

GPU Feature	Beta Coef			
Passmark Score	0.4737			
Manhattan GFX Score	0.2637			
Turbo Clock Speed	1.7263			
Memory Clock Speed	-0.2651			
TDP	-0.2098			

^{*} all P-value equal 0.020 or less

Model Performance	Score		
Adjusted R-squared	0.481		
Probability (F-statistic)	2.12e-36		
Condition Number	795		

Conclusion



*Next Step: Human Behavior vs. Review Scores

Questions?

Appendix

Resources

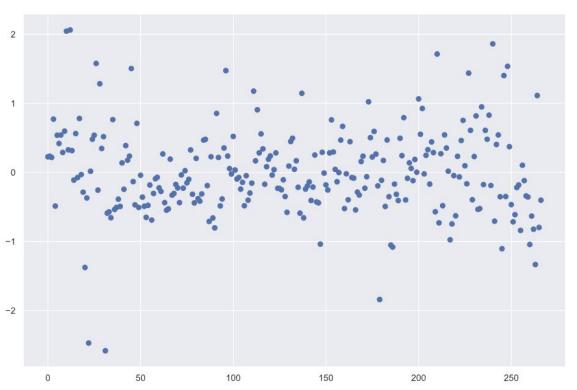
- GPUBoss website <u>URL</u>
- Passmark score <u>URL</u>
- GFX benchmark <u>URL</u>
- GPU specifications <u>URL</u>
- TDP <u>URL</u>
- How High Does R-Squared Need To Be? <u>URL</u>

Statsmodel Summary

OLS Regression Results

Dep. Variable	e:		у	R-squ	ared:	0.491
Mode	el:	OL	S Adj	. R-squ	ared:	0.481
Metho	d: Lea	ast Square	es	F-sta	tistic:	50.35
Date	e: Thu, 1	1 Oct 201	18 Prob	(F-stat	istic): 2	.12e-36
Tim	e:	07:39:1	14 Log	g-Likeli	hood:	-252.65
No. Observation	s:	26	67		AIC:	517.3
Df Residual	s:	26	31		BIC:	538.8
Df Mode	el:		5			
Covariance Typ	e:	nonrobu	st			
	coef	std err	t	P> t	[0.025	0.975]
Intercept	-7.8704	1.930	-4.079	0.000	-11.670	-4.071
X_reduced_3[0]	0.4737	0.098	4.849	0.000	0.281	0.666
X_reduced_3[1]	0.2637	0.089	2.958	0.003	0.088	0.439
X_reduced_3[2]	1.7263	0.309	5.587	0.000	1.118	2.335
X_reduced_3[3]	-0.2651	0.113	-2.336	0.020	-0.489	-0.042
X_reduced_3[4]	-0.2098	0.084	-2.500	0.013	-0.375	-0.045
Omnibus:	20.156	Durbin	ı-Watson	: 1	.799	
Prob(Omnibus):	0.000	Jarque-l	Bera (JB)	: 66	.744	
Skew:	0.117		Prob(JB)	3.21	e-15	
Kurtosis:	5.438	(Cond. No		795.	

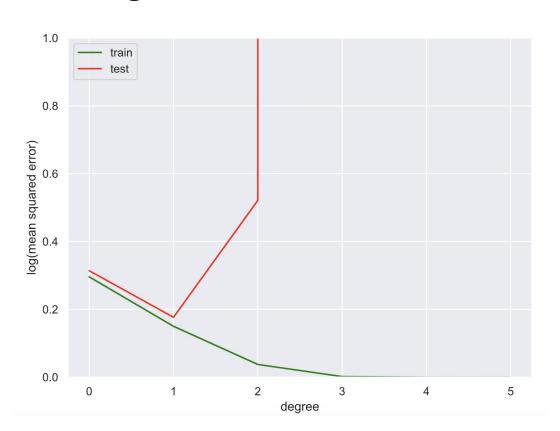
Residual Plot



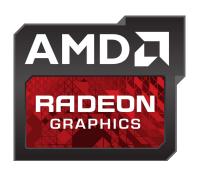
X-axis: row of data

Y-axis: residual (actual value - predicted value)

Polynomial Regression Check



Graveyard











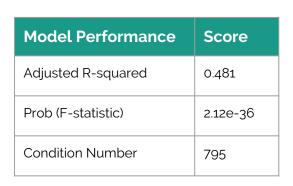


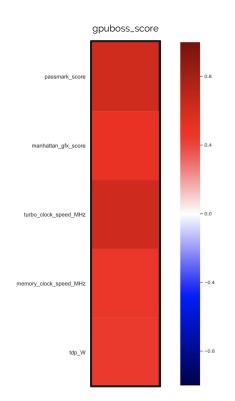


Final Results

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*	all	P	>	t	equal	0	.020	or	less
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"...humans are hard to predict. Any study that attempts to predict human behavior will tend to have R-squared values less than 50%." - Jim Frost

Final Results

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^{*} all P > |t| equal 0.020 or less

Next Steps

- MSRP Price
- News
- Other Reputable Reviewers