

Supplementary Materials

1 Data

The 25 variables that were used in this analysis are below.

Variable	Meaning
v1	Number of papers
v2	Total citations
v3	Production years
v4	Cites per year (?)
v5	Cites per paper (?)
v6	Cites per author (?)
v7	Papers per author (?)
v8	Authors per paper (?)
v9	h-index
v10	g-index
v11	hc-index
v12	hl-index
v13	hl-norm
v14	AWCR
v15	AW index
v16	AWCR per annum
v17	e-index
v18	hm-index
v19	Cites author per year (?)
v20	CitesAuthorYearArticle
v21	Annual hl
v22	h Coverage
v23	g Coverage
v24	Star count
v25	Adjusted star count

Table 1: List of attributes in the data

2 Regression Results

2.1 Analysis on the full data

The regression experiments for v_4 are shown in Table 2. The chosen results are in bold.

IVs	Adj. R^2	Significant IVs
v6	0.759	All
v6,v9	0.796	All except constant
v6,v9,v10 (no const)	0.868	All
v6,v9,v10	0.835	All
v6,v9,v10,v11 (no const)	0.874	All
v6,v9,v10,v11	0.846	All
v6,v9,v10,v11,v13 (no const)	0.893	All
v6,v9,v10,v11,v13	0.866	All except constant
v6,v9,v10,v11,v13,v14 (no const)	0.896	All
v6,v9,v10,v11,v13,v14,v15 (no const)	0.896	All except v15
v6,v9,v10,v11,v13,v14,v16 (no const)	0.893	All except v16
v6,v9,v10,v11,v13,v14,v17 (no const)	0.912	All
v6,v9,v10,v11,v13,v14,v17,v19 (no const)	0.953	All except v10
v6,v9,v11,v13,v14,v17,v19 (no const)	0.961	All
v6,v9,v11,v13,v14,v17,v19,v24 (no const)	0.961	All
v6,v9,v11,v13,v14,v17,v19,v25 (no const)	0.953	All
v6,v9,v11,v13,v14,v17,v19,v24,v25 (no const)	0.972	All

Table 2: Regression experiments for v_4

The chosen regression experiment is shown in Figure 1.

OLS Regression Results						
Dep. Variable:	v4	R-squared:	0.973			
Model:	OLS	Adj. R-squared:	0.972			
Method:	Least Squares	F-statistic:	2429.			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:16:28	Log-Likelihood:	-2143.2			
No. Observations:	618	AIC:	4304.			
Df Residuals:	609	BIC:	4344.			
Df Model:	9					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v6	-0.0065	0.002	-2.775	0.006	-0.011	-0.002
v9	2.0218	0.218	9.275	0.000	1.594	2.450
v11	-0.8051	0.219	-3.669	0.000	-1.236	-0.374
v13	-3.1005	0.282	-10.993	0.000	-3.654	-2.547
v14	0.0197	0.007	2.713	0.007	0.005	0.034
v17	0.7742	0.080	9.659	0.000	0.617	0.932
v19	1.8746	0.060	31.088	0.000	1.756	1.993
v24	11.5548	0.560	20.634	0.000	10.455	12.655
v25	-28.5114	1.771	-16.095	0.000	-31.990	-25.033
Omnibus:	470.481	Durbin-Watson:	2.060			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	53677.047			
Skew:	-2.556	Prob(JB):	0.00			
Kurtosis:	48.370	Cond. No.	3.20e+03			

Figure 1: Regression results for v4

The regression experiments on *v2* are shown in Table 3.

IVs	Adj. R^2	Significant IVs
v4	0.804	All
v4 (no const)	0.818	All
v4,v6	0.924	All
v4,v6 (no const)	0.93	All
v4,v6,v9	0.924	All except constant
v4,v6,v9 (no const)	0.93	All
v4,v6,v9,v10	0.925	All
v4,v6,v9,v10 (no const)	0.931	All except v9
v4,v6,v9,v10,v14	0.933	All
v4,v6,v9,v10,v14 (no const)	0.939	All
v4,v6,v9,v10,v14,v16	0.981	All except constant
v4,v6,v9,v10,v14,v16 (no const)	0.983	All
v4,v6,v9,v10,v14,v16,v18	0.981	All except constant and v18
v4,v6,v9,v10,v14,v16,v18 (no const)	0.983	All except v18
v4,v6,v9,v10,v14,v16,v18,v19	0.992	All
v4,v6,v9,v10,v14,v16,v18,v19 (no const)	0.993	All except v9
v4,v6,v9,v10,v14,v16,v18,v19,v24	0.992	All
v4,v6,v9,v10,v14,v16,v18,v19,v24 (no const)	0.993	All except v9

Table 3: Regression experiments for v2

The chosen regression experiment is shown in Figure 2.

OLS Regression Results						
Dep. Variable:	v2	R-squared:	0.993			
Model:	OLS	Adj. R-squared:	0.993			
Method:	Least Squares	F-statistic:	1.255e+04			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:16:31	Log-Likelihood:	-3849.7			
No. Observations:	618	AIC:	7713.			
Df Residuals:	611	BIC:	7744.			
Df Model:	7					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v4	17.9865	0.539	33.391	0.000	16.929	19.044
v6	2.9565	0.030	99.132	0.000	2.898	3.015
v10	-7.1974	1.155	-6.230	0.000	-9.466	-4.929
v14	2.8990	0.172	16.892	0.000	2.562	3.236
v16	-12.9553	0.677	-19.137	0.000	-14.285	-11.626
v18	15.0059	3.381	4.438	0.000	8.366	21.646
v19	-40.4789	1.372	-29.500	0.000	-43.174	-37.784
Omnibus:	183.865	Durbin-Watson:	1.853			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	13139.347			
Skew:	-0.267	Prob(JB):	0.00			
Kurtosis:	25.583	Cond. No.	392.			

Figure 2: Regression results for v2

From v6 onward, the experiments were automated. The screenshots of the program results are shown instead. The regression experiments for *v6* are shown in Figure 3.

Expt. No.	DV	IVs	Adj. R ²	Significant IVs
1	v6	v9	0.724	All
2	v6	v9 (no const)	0.69	All
3	v6	v9,v10	0.728	All
4	v6	v9,v10 (no const)	0.693	All
5	v6	v9,v10,v13	0.733	All
6	v6	v9,v10,v13 (no const)	0.692	v9,v10
7	v6	v9,v10,v13,v14	0.795	All
8	v6	v9,v10,v13,v14 (no const)	0.791	All
9	v6	v9,v10,v13,v14,v16	0.875	constant,v9,v13,v14,v16
10	v6	v9,v10,v13,v14,v16 (no const)	0.883	v9,v13,v14,v16
11	v6	v9,v10,v13,v14,v16,v17	0.875	constant,v9,v13,v14,v16
12	v6	v9,v10,v13,v14,v16,v17 (no const)	0.884	v9,v13,v14,v16
13	v6	v9,v10,v13,v14,v16,v17,v18	0.887	constant,v9,v13,v16,v17,v18
14	v6	v9,v10,v13,v14,v16,v17,v18 (no const)	0.893	v9,v13,v14,v16,v17,v18
15	v6	v9,v10,v13,v14,v16,v17,v18,v19	0.907	constant,v9,v13,v16,v18,v19
16	v6	v9,v10,v13,v14,v16,v17,v18,v19 (no const)	0.913	v10,v13,v16,v17,v18,v19
17	v6	v9,v10,v13,v14,v16,v17,v18,v19,v25	0.907	constant,v9,v13,v16,v18,v19,v25
18	v6	v9,v10,v13,v14,v16,v17,v18,v19,v25 (no const)	0.914	v10,v13,v16,v17,v18,v19,v25

Figure 3: Regression experiments for v6
The chosen regression results are shown in Figure 4.

OLS Regression Results						
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Dep. Variable:	v6	R-squared:	0.914			
Model:	OLS	Adj. R-squared:	0.913			
Method:	Least Squares	F-statistic:	1078.			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	1.73e-321			
Time:	19:16:32	Log-Likelihood:	-4003.3			
No. Observations:	618	AIC:	8019.			
Df Residuals:	612	BIC:	8045.			
Df Model:	6					
Covariance Type:	nonrobust					
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	coef	std err	t	P> t	[0.025	0.975]
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v10	18.4844	2.768	6.677	0.000	13.048	23.921
v13	-74.8686	7.615	-9.832	0.000	-89.823	-59.915
v16	5.4741	0.490	11.176	0.000	4.512	6.436
v17	-11.7171	3.150	-3.720	0.000	-17.903	-5.532
v18	58.0314	7.318	7.930	0.000	43.659	72.404
v19	13.1330	1.058	12.413	0.000	11.055	15.211
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Omnibus:	613.817	Durbin-Watson:	1.640			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	84084.932			
Skew:	3.994	Prob(JB):	0.00			
Kurtosis:	59.583	Cond. No.	86.2			
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Figure 4: Regression results for v6
Figure 5 shows the regression experiments for v9.

Expt. No.	DV	IVs	Adj. R ²	Significant IVs
1	v9	v10	0.94	All
2	v9	v10 (no const)	0.966	All
3	v9	v10,v11	0.945	v10,v11
4	v9	v10,v11 (no const)	0.969	All
5	v9	v10,v11,v12	0.954	All
6	v9	v10,v11,v12 (no const)	0.974	All
7	v9	v10,v11,v12,v13	0.956	constant,v10,v11,v13
8	v9	v10,v11,v12,v13 (no const)	0.975	v10,v11,v13
9	v9	v10,v11,v12,v13,v14	0.957	constant,v10,v11,v13
10	v9	v10,v11,v12,v13,v14 (no const)	0.976	v10,v11,v13,v14
11	v9	v10,v11,v12,v13,v14,v15	0.961	v10,v11,v13,v14,v15
12	v9	v10,v11,v12,v13,v14,v15 (no const)	0.978	v10,v11,v13,v14,v15
13	v9	v10,v11,v12,v13,v14,v15,v16	0.963	v10,v11,v12,v13,v14,v15,v16
14	v9	v10,v11,v12,v13,v14,v15,v16 (no const)	0.98	All
15	v9	v10,v11,v12,v13,v14,v15,v16,v17	0.974	v10,v11,v13,v14,v15,v17
16	v9	v10,v11,v12,v13,v14,v15,v16,v17 (no const)	0.985	v10,v11,v13,v14,v15,v17
17	v9	v10,v11,v12,v13,v14,v15,v16,v17,v18	0.98	v10,v11,v12,v14,v15,v16,v17,v18
18	v9	v10,v11,v12,v13,v14,v15,v16,v17,v18 (no const)	0.988	v10,v11,v12,v14,v15,v16,v17,v18

Figure 5: Regression experiments for v9

Figure 6 shows the chosen regression results.

OLS Regression Results						
Dep. Variable:	v9	R-squared:	0.986			
Model:	OLS	Adj. R-squared:	0.986			
Method:	Least Squares	F-statistic:	7123.			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:16:32	Log-Likelihood:	-1040.4			
No. Observations:	618	AIC:	2093.			
Df Residuals:	612	BIC:	2119.			
Df Model:	6					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v10	0.5551	0.022	25.250	0.000	0.512	0.598
v11	0.3324	0.045	7.383	0.000	0.244	0.421
v13	0.4785	0.036	13.131	0.000	0.407	0.550
v14	0.0038	0.001	3.461	0.001	0.002	0.006
v15	-0.1440	0.056	-2.557	0.011	-0.255	-0.033
v17	-0.3342	0.019	-17.388	0.000	-0.372	-0.296
Omnibus:	111.690	Durbin-Watson:	1.990			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	1976.264			
Skew:	0.078	Prob(JB):	0.00			
Kurtosis:	11.759	Cond. No.	169.			

Figure 6: Regression results for v9

The regression experiments for *v10* are shown in Figure 7.

Expt. No.	DV	IVs	Adj. R ²	Significant IVs
1	v10	v11	0.852	All
2	v10	v11 (no const)	0.911	All
3	v10	v11,v12	0.88	All
4	v10	v11,v12 (no const)	0.926	All
5	v10	v11,v12,v13	0.943	All
6	v10	v11,v12,v13 (no const)	0.965	All
7	v10	v11,v12,v13,v14	0.958	v11,v12,v13,v14
8	v10	v11,v12,v13,v14 (no const)	0.976	All
9	v10	v11,v12,v13,v14,v15	0.96	constant,v12,v13,v14,v15
10	v10	v11,v12,v13,v14,v15 (no const)	0.977	v12,v13,v14,v15
11	v10	v11,v12,v13,v14,v15,v16	0.961	constant,v12,v13,v14,v15,v16
12	v10	v11,v12,v13,v14,v15,v16 (no const)	0.977	v12,v13,v14,v15,v16
13	v10	v11,v12,v13,v14,v15,v16,v17	0.98	constant,v11,v13,v14,v15,v16,v17
14	v10	v11,v12,v13,v14,v15,v16,v17 (no const)	0.988	v11,v13,v14,v15,v16,v17
15	v10	v11,v12,v13,v14,v15,v16,v17,v18	0.987	All
16	v10	v11,v12,v13,v14,v15,v16,v17,v18 (no const)	0.992	All
17	v10	v11,v12,v13,v14,v15,v16,v17,v18,v19	0.987	constant,v11,v12,v14,v15,v16,v17,v18,v19
18	v10	v11,v12,v13,v14,v15,v16,v17,v18,v19 (no const)	0.992	v11,v12,v14,v15,v16,v17,v18,v19

Figure 7: Regression experiments for v10

Finally, the results of the regression for *v10* are shown in Figure 8.

OLS Regression Results						
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Dep. Variable:	v10	R-squared:	0.993			
Model:	OLS	Adj. R-squared:	0.992			
Method:	Least Squares	F-statistic:	1.020e+04			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:16:33	Log-Likelihood:	-1225.3			
No. Observations:	618	AIC:	2467.			
Df Residuals:	610	BIC:	2502.			
Df Model:	8					
Covariance Type:	nonrobust					
=====						
	coef	std err	t	P> t	[0.025	0.975]

v11	0.6603	0.061	10.896	0.000	0.541	0.779
v12	-0.5729	0.110	-5.207	0.000	-0.789	-0.357
v13	0.2161	0.106	2.030	0.043	0.007	0.425
v14	0.0354	0.002	15.377	0.000	0.031	0.040
v15	-0.7408	0.079	-9.420	0.000	-0.895	-0.586
v16	-0.0852	0.007	-12.879	0.000	-0.098	-0.072
v17	0.7858	0.022	35.053	0.000	0.742	0.830
v18	1.3468	0.075	17.896	0.000	1.199	1.495
=====						
Omnibus:	295.493	Durbin-Watson:	1.861			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	3942.532			
Skew:	-1.769	Prob(JB):	0.00			
Kurtosis:	14.857	Cond. No.	258.			
=====						

Figure 8: Regression results for v10

2.2 Analysis on subset of data

We now present the regression experiments and results on the chosen subset of the data. Please note that we renamed the variables for convenience, so $v1$ through $v13$ here are really $v9$ through $v21$, and $v14$ here is really $v24$.

The regression experiments for $v9$ (shown as $v1$) are shown in Figure 9.

Expt. No.	DV	IVs	Adj. R ²	Significant IVs
1	v1	v2	0.94	All
2	v1	v2 (no const)	0.966	All
3	v1	v2,v3	0.945	v2,v3
4	v1	v2,v3 (no const)	0.969	All
5	v1	v2,v3,v4	0.954	All
6	v1	v2,v3,v4 (no const)	0.974	All
7	v1	v2,v3,v4,v5	0.956	constant,v2,v3,v5
8	v1	v2,v3,v4,v5 (no const)	0.975	v2,v3,v5
9	v1	v2,v3,v4,v5,v6	0.957	constant,v2,v3,v5
10	v1	v2,v3,v4,v5,v6 (no const)	0.976	v2,v3,v5,v6
11	v1	v2,v3,v4,v5,v6,v7	0.961	v2,v3,v5,v6,v7
12	v1	v2,v3,v4,v5,v6,v7 (no const)	0.978	v2,v3,v5,v6,v7
13	v1	v2,v3,v4,v5,v6,v7,v8	0.963	v2,v3,v4,v5,v6,v7,v8
14	v1	v2,v3,v4,v5,v6,v7,v8 (no const)	0.98	All
15	v1	v2,v3,v4,v5,v6,v7,v8,v9	0.974	v2,v3,v5,v6,v7,v9
16	v1	v2,v3,v4,v5,v6,v7,v8,v9 (no const)	0.985	v2,v3,v5,v6,v7,v9
17	v1	v2,v3,v4,v5,v6,v7,v8,v9,v10	0.98	v2,v3,v4,v6,v7,v8,v9,v10
18	v1	v2,v3,v4,v5,v6,v7,v8,v9,v10 (no const)	0.988	v2,v3,v4,v6,v7,v8,v9,v10

Figure 9: Regression experiments for v9

The chosen regression model results are shown in Figure 10.

OLS Regression Results						
Dep. Variable:	v1	R-squared:	0.986			
Model:	OLS	Adj. R-squared:	0.986			
Method:	Least Squares	F-statistic:	7123.			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:51:29	Log-Likelihood:	-1040.4			
No. Observations:	618	AIC:	2093.			
Df Residuals:	612	BIC:	2119.			
Df Model:	6					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v2	0.5551	0.022	25.250	0.000	0.512	0.598
v3	0.3324	0.045	7.383	0.000	0.244	0.421
v5	0.4785	0.036	13.131	0.000	0.407	0.550
v6	0.0038	0.001	3.461	0.001	0.002	0.006
v7	-0.1440	0.056	-2.557	0.011	-0.255	-0.033
v9	-0.3342	0.019	-17.388	0.000	-0.372	-0.296
Omnibus:	111.690	Durbin-Watson:	1.990			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	1976.264			
Skew:	0.078	Prob(JB):	0.00			
Kurtosis:	11.759	Cond. No.	169.			

Figure 10: Regression results for v9

The regression experiments for *v10* are shown in Figure 11.

Expt. No.	DV	IVs	Adj. R ²	Significant IVs
1	v2	v3	0.852	All
2	v2	v3 (no const)	0.911	All
3	v2	v3,v4	0.88	All
4	v2	v3,v4 (no const)	0.926	All
5	v2	v3,v4,v5	0.943	All
6	v2	v3,v4,v5 (no const)	0.965	All
7	v2	v3,v4,v5,v6	0.958	v3,v4,v5,v6
8	v2	v3,v4,v5,v6 (no const)	0.976	All
9	v2	v3,v4,v5,v6,v7	0.96	constant,v4,v5,v6,v7
10	v2	v3,v4,v5,v6,v7 (no const)	0.977	v4,v5,v6,v7
11	v2	v3,v4,v5,v6,v7,v8	0.961	constant,v4,v5,v6,v7,v8
12	v2	v3,v4,v5,v6,v7,v8 (no const)	0.977	v4,v5,v6,v7,v8
13	v2	v3,v4,v5,v6,v7,v8,v9	0.98	constant,v3,v5,v6,v7,v8,v9
14	v2	v3,v4,v5,v6,v7,v8,v9 (no const)	0.988	v3,v5,v6,v7,v8,v9
15	v2	v3,v4,v5,v6,v7,v8,v9,v10	0.987	All
16	v2	v3,v4,v5,v6,v7,v8,v9,v10 (no const)	0.992	All
17	v2	v3,v4,v5,v6,v7,v8,v9,v10,v11	0.987	constant,v3,v4,v6,v7,v8,v9,v10,v11
18	v2	v3,v4,v5,v6,v7,v8,v9,v10,v11 (no const)	0.992	v3,v4,v6,v7,v8,v9,v10,v11

Figure 11: Regression experiments for v10

The chosen model for $v10$ is shown in Figure 12.

OLS Regression Results						
Dep. Variable:	v2	R-squared:	0.989			
Model:	OLS	Adj. R-squared:	0.989			
Method:	Least Squares	F-statistic:	8902.			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:52:54	Log-Likelihood:	-1355.9			
No. Observations:	618	AIC:	2724.			
Df Residuals:	612	BIC:	2750.			
Df Model:	6					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v3	0.5665	0.072	7.841	0.000	0.425	0.708
v5	1.3477	0.056	23.986	0.000	1.237	1.458
v6	0.0438	0.002	18.660	0.000	0.039	0.048
v7	-0.6372	0.094	-6.785	0.000	-0.822	-0.453
v8	-0.0772	0.007	-11.541	0.000	-0.090	-0.064
v9	0.6080	0.023	26.854	0.000	0.564	0.652
Omnibus:	264.178	Durbin-Watson:	1.991			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	3118.984			
Skew:	-1.563	Prob(JB):	0.00			
Kurtosis:	13.553	Cond. No.	171.			

Figure 12: Regression results for $v10$

Next, we show Figure 13 and 14, which show the experiments and results for $v11$.

Expt. No.	DV	IVs	Adj. R ²	Significant IVs
1	v3	v5	0.809	All
2	v3	v5 (no const)	0.902	All
3	v3	v5,v6	0.832	All
4	v3	v5,v6 (no const)	0.905	All
5	v3	v5,v6,v7	0.936	All
6	v3	v5,v6,v7 (no const)	0.97	All
7	v3	v5,v6,v7,v8	0.936	constant,v5,v6,v7
8	v3	v5,v6,v7,v8 (no const)	0.97	v5,v6,v7
9	v3	v5,v6,v7,v8,v9	0.938	constant,v5,v6,v7,v9
10	v3	v5,v6,v7,v8,v9 (no const)	0.971	v5,v6,v7,v9
11	v3	v5,v6,v7,v8,v9,v10	0.939	constant,v5,v6,v7,v9,v10
12	v3	v5,v6,v7,v8,v9,v10 (no const)	0.972	v5,v6,v7,v9,v10

Figure 13: Regression experiments for $v11$

OLS Regression Results						
Dep. Variable:	v3	R-squared:	0.971			
Model:	OLS	Adj. R-squared:	0.971			
Method:	Least Squares	F-statistic:	6898			
Date:	Tue, 20 Nov 2018	Prob (F-statistic):	0.00			
Time:	19:58:18	Log-Likelihood:	-1004.4			
No. Observations:	618	AIC:	2015.			
Df Residuals:	615	BIC:	2028.			
Df Model:	3					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v5	0.1793	0.023	7.717	0.000	0.134	0.225
v6	-0.0105	0.001	-13.216	0.000	-0.012	-0.009
v7	0.9759	0.026	37.264	0.000	0.924	1.027
Omnibus:	138.972	Durbin-Watson:	2.081			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	2506.981			
Skew:	-0.458	Prob(JB):	0.00			
Kurtosis:	12.824	Cond. No.	85.5			

Figure 14: Regression results for v11

Finally(!), we show the same set of figures for *v13*.

Expt. No.	DV	IVs	Adj. R^2	Significant IVs
1	v5	v7	0.809	v7
2	v5	v7 (no const)	0.901	All
3	v5	v7,v8	0.842	All
4	v5	v7,v8 (no const)	0.912	All
5	v5	v7,v8,v9	0.865	All
6	v5	v7,v8,v9 (no const)	0.923	All
7	v5	v7,v8,v9,v10	0.971	constant,v8,v9,v10
8	v5	v7,v8,v9,v10 (no const)	0.984	All
9	v5	v7,v8,v9,v10,v11	0.971	constant,v8,v9,v10
10	v5	v7,v8,v9,v10,v11 (no const)	0.984	v8,v9,v10

Figure 15: Regression experiments for v13

OLS Regression Results						
Dep. Variable:	v5	R-squared:	0.985			
Model:	OLS	Adj. R-squared:	0.985			
Method:	Least Squares	F-statistic:	1.005e+04			
Date:	Thu, 22 Nov 2018	Prob (F-statistic):	0.00			
Time:	23:51:33	Log-Likelihood:	-769.75			
No. Observations:	618	AIC:	1547.			
Df Residuals:	614	BIC:	1565.			
Df Model:	4					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
v7	0.0419	0.020	2.136	0.033	0.003	0.080
v8	-0.0153	0.002	-8.471	0.000	-0.019	-0.012
v9	0.1492	0.008	18.628	0.000	0.133	0.165
v10	0.7589	0.015	49.960	0.000	0.729	0.789
Omnibus:	199.818	Durbin-Watson:	2.106			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	4996.027			
Skew:	-0.839	Prob(JB):	0.00			
Kurtosis:	16.828	Cond. No.	29.5			

Figure 16: Regression results for v13

3 Cluster Analysis

We now present the full description of where each point is in each clustering algorithm. The explanation in the paper supplements this well enough to clearly understand the segregation of points by both algorithms.

Index	DBSCAN cluster#	MS cluster#	DBSCAN cluster count	MS cluster count	Common
1	-1	-1	60	8	8
2	-1	1	60	82	28
3	-1	2	60	15	15
4	-1	3	60	3	3
5	-1	4	60	2	2
6	-1	5	60	2	2
7	-1	6	60	2	2
8	0	0	541	504	504
9	0	1	541	82	37
10	1	1	3	82	3
11	2	1	14	82	14

Figure 17: Clustering by DBSCAN and Mean-Shift algorithms on the subset of the data