STP 429 – Applied Regression

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Lab 3

Executive Summary

Broadcom is one of the leading producers of semiconductors in the world. Semiconductors are used in smartphones, laptops, WiFi, data servers, power generation, and many other software applications. These industries are at the forefront of state of the art technology that is produced daily and Broadcom has been a top 10 producer for these industries for the past 8 years. Their most recent accomplishment was the production of the world's first WiFi 6E client device, currently the newest and fastest WiFi device. For a company so important it would be crucial to be able to predict the stock prices for them.

There are many other companies that lead the Information Technology sector as well as the semiconductor subsector. Hewlett-Packard, Microchip, Qualcomm, Cisco, and Texas Instruments are just a few of the many companies in this industry. My goal is to use the daily closing stock prices of these companies from 4/1/2021 – 3/31/2022 and use them to compare the daily closing stock price of Broadcom.

Using regression techniques, I was able to create the best multivariate, second-order model for last year's stock prices. The following report will go into the details of this process. I believe that the resulting model that was developed will help to predict the daily closing stock prices of Broadcom.

Introduction

The purpose of this study is to determine if the daily closing stock prices of other information technology companies can be used to create an effective predictive model for Broadcom's daily closing stock prices. This study looked at data from 4/1/2021 – 3/31/2022.

I decided to include all of the possible independent variables in my analysis because I didn't want to rule out any potentially useful variables, especially since I'm using stepwise regression for my initial analysis. The variables that I obtained in my final first-order model (after the stepwise process and removing variables based on high VIF and p-values for individual t-tests) were CDW, DXC Technology, Hewlett-Packard Enterprise, Microchip, Micron, Monolithic Power Systems, NortonLifeLock, Paychex, Qualcomm, Salesforce, Texas Instruments, Verisign, and Visa. From there, the variables chosen to be used as an interaction term were Microchip and Verisign. The variable chosen to be used as a second-order term was DXC Technology.

Analysis

The first step in my analysis was to run a stepwise regression analysis of all 73 independent variables versus Broadcom's closing stock prices to narrow down the number of independent variables. This resulted in 28 independent variables. I then looked at the VIF statistic for the resulting 28 variable model. I then removed independent variables one by one based on which had the largest VIF statistic. This resulted in 15 independent variables. Then, I removed independent variables one by one based on the p-value of the independent t-tests (at an alpha of 0.05). This resulted in 13 independent variables. I then verified that I had the best first-order model by running a regression analysis w/ the other 4 criteria; r square, r square adjusted, cp, and press. I then created a correlation matrix to further verify that these independent variables were correlated with the dependent variable. Then, I created interaction plots for all combinations of independent variables to determine which two variables would be the most ideal to include as an interaction term in the model. From there I tested the adequacy of the model with interaction term. Then I created scatterplots of all independent variables vs the dependent

variable to see which variables would make the most sense to create a second-order term. I then created second-order terms for the independent variables that seemed to be the best candidates and tested the adequacy of the model with the second-order terms.

Data Section

Here are some descriptive statistics for the variables that were included in the final first-order model.

The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
AVGO	AVGO	253	526.1444659	62.6957160	422.3800050	674.2800290
CDW	CDW	253	183.6160480	11.1061771	163.4799960	208.1300050
DXC	DXC	253	34.8100000	3.3490237	28.9500010	43.4199980
HPE	HPE	253	15.5084190	1.0171427	13.0100000	17.6399990
MCHP	MCHP	253	76.8507906	5.1686926	65.1399990	89.3499980
MU	MU	253	80.6576286	7.6866883	66.3799970	97.3600010
MPWR	MPWR	253	440.0546253	68.8172281	306.1000060	575.9699710
NLOK	NLOK	253	25.9251779	1.9646147	20.8200000	30.7600000
PAYX	PAYX	253	114.8130039	10.3095119	94.8099980	137.3800050
QCOM	QCOM	253	151.1495256	19.1469316	122.9499970	189.2799990
CRM	CRM	253	245.4516992	28.6045406	190.5399930	309.9599910
TXN	TXN	253	186.6513443	8.0240392	162.4700010	201.2899930
VRSN	VRSN	253	221.5818580	12.1370318	199.4299930	255.9299930
V	V	253	223.5513442	12.2794665	190.1600040	250.9299930

Looking at the data from this view really doesn't tell the whole story as most of the independent variables don't seem to have much in common if anything. It is interesting to note that Broadcom is easily the most successful company based on their stock prices. This could be because some of these companies are clients of Broadcom. Many of these companies require the use of semiconductors.

Results

After the stepwise regression and VIF statistic analysis, this resulted in a 13-variable first-order model. This is confirmed by the r square, adjusted r squared, cp, and press selection criteria.

The multiple regression first-order model resulted in the following model:

AVGO = 68.462 – 1.125(CDW) – 5.157(DXC) – 6.772(HPE) + 5.493(MCHP) + 0.718(MU) + 0.084(MPWR) + 3.972(NLOK) + 4.377(PAYX) + 0.47(QCOM) – 0.493(CRM) – 1.416(TXN) – 0.468(VRSN) + 1.094(V)

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	13	961778	73983	614.57	<.0001
Error	239	28771	120.38243		
Corrected Total	252	990550			

Root MSE	10.97189	R-Square	0.9710
Dependent Mean	526.14447	Adj R-Sq	0.9694
Coeff Var	2.08534		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	68.46225	43.95742	1.56	0.1207	0
CDW	CDW	1	-1.12475	0.12139	-9.27	<.0001	3.80494
DXC	DXC	1	-5.15721	0.40997	-12.58	<.0001	3.94623
HPE	HPE	1	-6.77160	1.32269	-5.12	<.0001	3.78896
MCHP	MCHP	1	5.49275	0.37761	14.55	<.0001	7.97429
MU	MU	1	0.71827	0.19451	3.69	0.0003	4.67952
MPWR	MPWR	1	0.08390	0.02892	2.90	0.0041	8.29349
NLOK	NLOK	1	3.97167	0.55850	7.11	<.0001	2.52026
PAYX	PAYX	1	4.37650	0.18464	23.70	<.0001	7.58550
QCOM	QCOM	1	0.47006	0.10178	4.62	<.0001	7.94997
CRM	CRM	1	-0.49334	0.05744	-8.59	<.0001	5.65037
TXN	TXN	1	-1.41617	0.21964	-6.45	<.0001	6.50185
VRSN	VRSN	1	-0.46837	0.11235	-4.17	<.0001	3.89226
V	V	1	1.09359	0.12067	9.06	<.0001	4.59591

Interpreting B0, assuming all other variables are 0, the expected daily closing stock price for Broadcom would be 68.462. Interpreting B1, for every 1-unit increase in CDW's daily closing stock price, I expect to see the daily closing stock price for Broadcom to decrease by 1.125. Interpreting B2, for every 1-unit increase in DXC's daily closing stock price, I expect to

see the daily closing stock price for Broadcom to decrease by 5.157. Interpreting B3, for every 1-unit increase in HPE's daily closing stock price, I expect to see the daily closing stock price for Broadcom to decrease by 6.772. Interpreting B4, for every 1-unit increase in MCHP's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 5.493. Interpreting B5, for every 1-unit increase in MU's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 0.718. Interpreting B6, for every 1-unit increase in MPWR's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 0.084. Interpreting B7, for every 1-unit increase in NLOK's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 3.972. Interpreting B8, for every 1-unit increase in PAYX's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 4.377. Interpreting B9, for every 1-unit increase in QCOM's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 0.47. Interpreting B10, for every 1-unit increase in CRM's daily closing stock price, I expect to see the daily closing stock price for Broadcom to decrease by 0.493. Interpreting B11, for every 1-unit increase in TXN's daily closing stock price, I expect to see the daily closing stock price for Broadcom to decrease by 1.416. Interpreting B12, for every 1-unit increase in VRSN's daily closing stock price, I expect to see the daily closing stock price for Broadcom to decrease by 0.468. Interpreting B13, for every 1-unit increase in V's daily closing stock price, I expect to see the daily closing stock price for Broadcom to increase by 1.094.

Adding the interaction term between MCHP and VRSN, the resulting model is AVGO = 68.462 – 1.125(CDW) – 5.157(DXC) – 6.772(HPE) + 5.493(MCHP) + 0.718(MU) +

0.084(MPWR) + 3.972(NLOK) + 4.377(PAYX) + 0.47(QCOM) – 0.493(CRM) – 1.416(TXN) – 0.468(VRSN) + 1.094(V) + 0.016(MCHP*VRSN).

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	961921	68709	571.21	<.0001
Error	238	28628	120.28689		
Corrected Total	252	990550			

Root MSE	10.96754	R-Square	0.9711
Dependent Mean	526.14447	Adj R-Sq	0.9694
Coeff Var	2.08451		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	339.28117	252.13377	1.35	0.1797
CDW	CDW	1	-1.13826	0.12197	-9.33	<.0001
DXC	DXC	1	-5.18252	0.41047	-12.63	<.0001
HPE	HPE	1	-6.45789	1.35309	-4.77	<.0001
MCHP	MCHP	1	1.84503	3.36532	0.55	0.5840
MU	MU	1	0.69318	0.19579	3.54	0.0005
MPWR	MPWR	1	0.09054	0.02955	3.06	0.0024
NLOK	NLOK	1	4.09125	0.56894	7.19	<.0001
PAYX	PAYX	1	4.28030	0.20456	20.92	<.0001
QCOM	QCOM	1	0.48955	0.10330	4.74	<.0001
CRM	CRM	1	-0.49546	0.05745	-8.62	<.0001
TXN	TXN	1	-1.35362	0.22692	-5.97	<.0001
VRSN	VRSN	1	-1.71847	1.15153	-1.49	0.1369
V	V	1	1.11821	0.12271	9.11	<.0001
mchp_vrsn		1	0.01596	0.01463	1.09	0.2765

Interpreting B14, for every 1-unit increase in the product of MCHP and VRSN, I expect to see the daily closing stock price of Broadcom to increase by 0.016. However, looking at the p-value of the individual t-test for the interaction term, there is evidence to conclude that the term is not a good fit for the model, so I removed the interaction term from the model.

Adding the second-order term for DXC, the resulting final model is AVGO = 68.462 – 1.125(CDW) – 5.157(DXC) – 6.772(HPE) + 5.493(MCHP) + 0.718(MU) + 0.084(MPWR) +

3.972(NLOK) + 4.377(PAYX) + 0.47(QCOM) – 0.493(CRM) – 1.416(TXN) – 0.468(VRSN) + 1.094(V) + 0.16(DXC^2).

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	962238	68731	577.79	<.0001
Error	238	28311	118.95581		
Corrected Total	252	990550			

Root MSE	10.90669	R-Square	0.9714
Dependent Mean	526.14447	Adj R-Sq	0.9697
Coeff Var	2.07295		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	244.13384	99.45489	2.45	0.0148
CDW	CDW	1	-1.10619	0.12104	-9.14	<.0001
DXC	DXC	1	-16.86524	5.96830	-2.83	0.0051
HPE	HPE	1	-6.10523	1.35781	-4.50	<.0001
MCHP	MCHP	1	5.59666	0.37907	14.76	<.0001
MU	MU	1	0.73998	0.19367	3.82	0.0002
MPWR	MPWR	1	0.10444	0.03059	3.41	0.0008
NLOK	NLOK	1	4.26979	0.57551	7.42	<.0001
PAYX	PAYX	1	4.31665	0.18605	23.20	<.0001
QCOM	QCOM	1	0.37481	0.11218	3.34	0.0010
CRM	CRM	1	-0.48633	0.05721	-8.50	<.0001
TXN	TXN	1	-1.54516	0.22797	-6.78	<.0001
VRSN	VRSN	1	-0.40060	0.11688	-3.43	0.0007
V	V	1	1.20200	0.13201	9.11	<.0001
dxc_sq		1	0.16028	0.08152	1.97	0.0504

Interpreting B14, for every 1-unit increase in the DXC squared, I expect to see the daily closing stock price of Broadcom to increase by 0.16.

The model has an adjusted R^2 value of 0.9697. This tells me that 96.97% of the variation in the daily closing stock price of Broadcom is explained by the model. This is a fantastic adjusted R^2. The F-statistic looks great with a p-value less than 0.001. The p-values for the

individual t-test look good (or pretty close) at an alpha level of 0.05. Overall, I would consider this a great model to use for predicting the daily closing stock prices for Broadcom.

Future Work

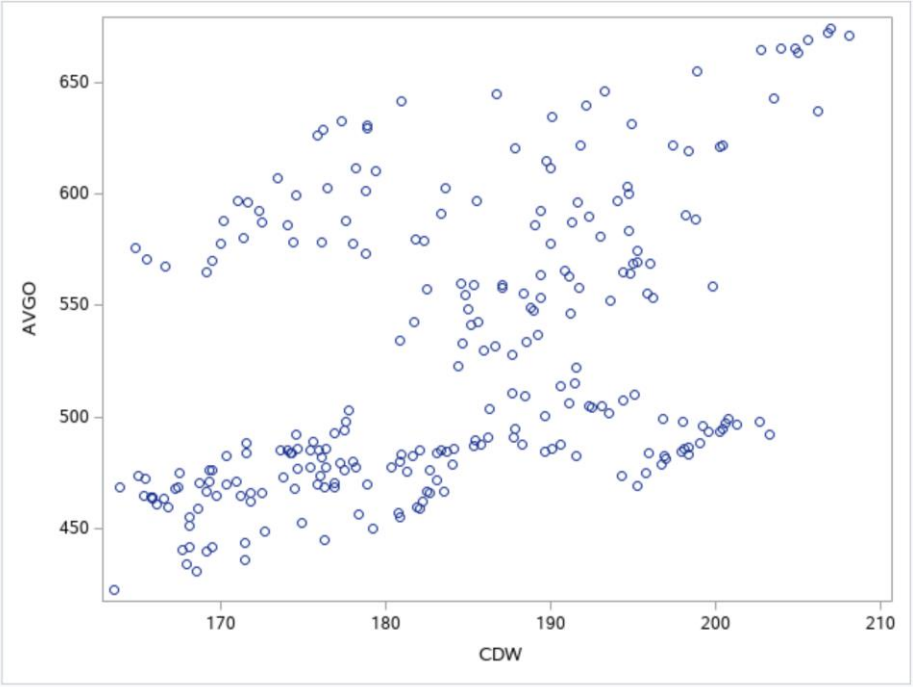
For future work, I highly recommend including different and/or multiple interaction terms as well as second-order terms as there were multiple terms that were possible candidates. However, for this analysis only one interaction and second-order term were tested. I would also consider testing if higher-order (larger than second) terms would make a better model. I would also recommend looking at data across multiple years.

References

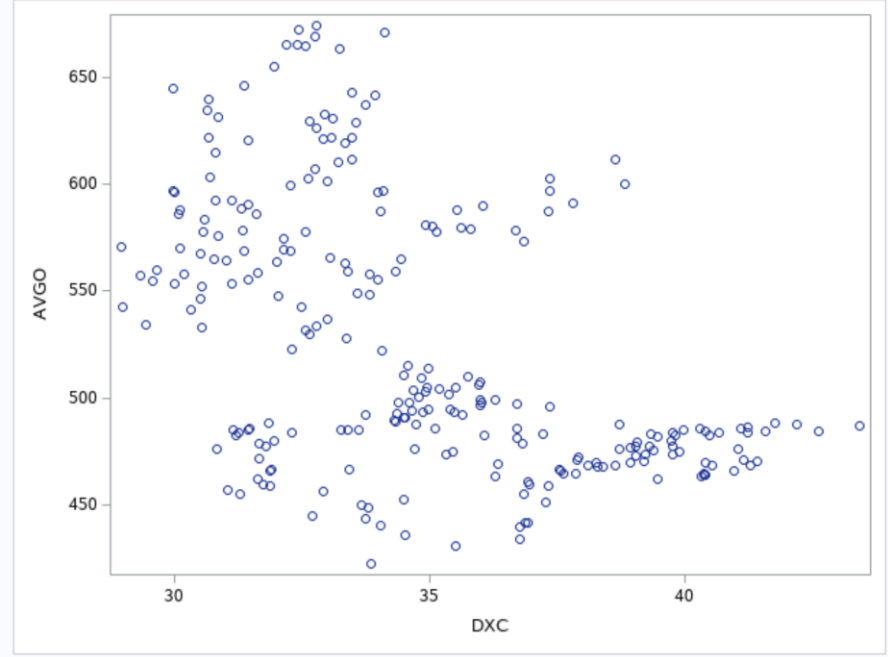
Wikimedia Foundation. (2022, April 17). *Broadcom Inc.*. Wikipedia. Retrieved April 24, 2022, from https://en.wikipedia.org/wiki/Broadcom_Inc.#:~:text=Broadcom%20Inc.%20is%20an%20American,and%20storage%20and%20industrial%20markets.

Appendix

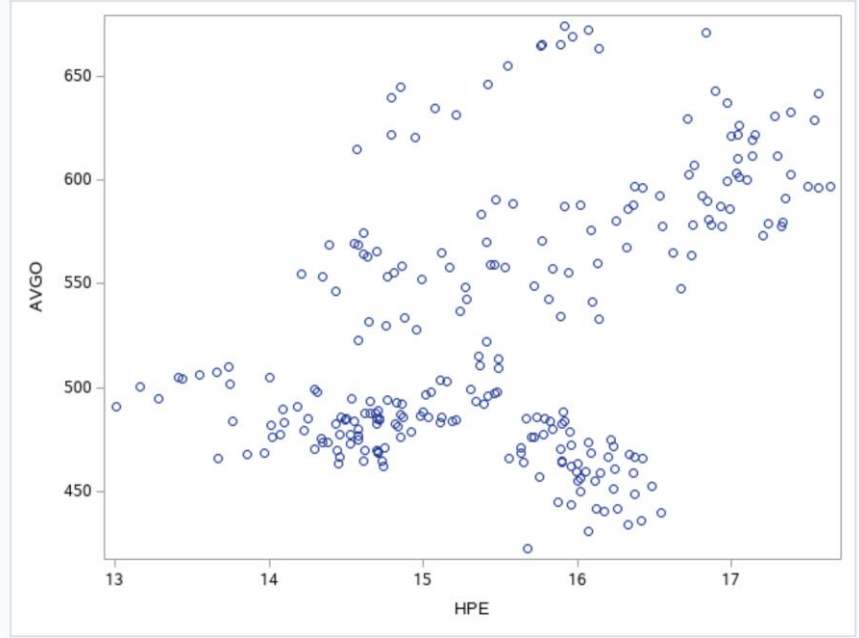
Graph 1 – Scatterplot of CDW vs AVGO



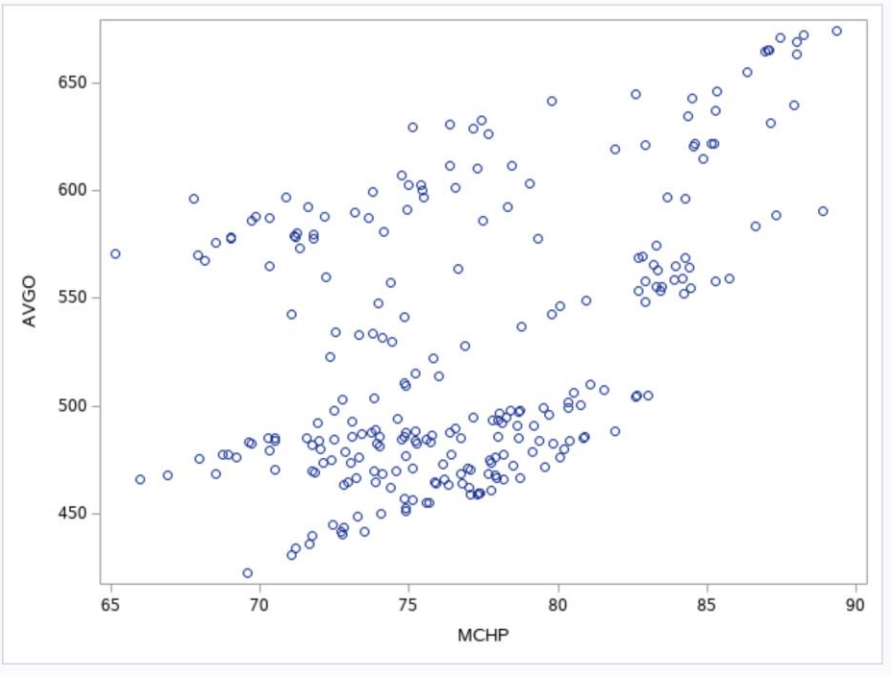
Graph 2 – Scatterplot of CDW vs AVGO



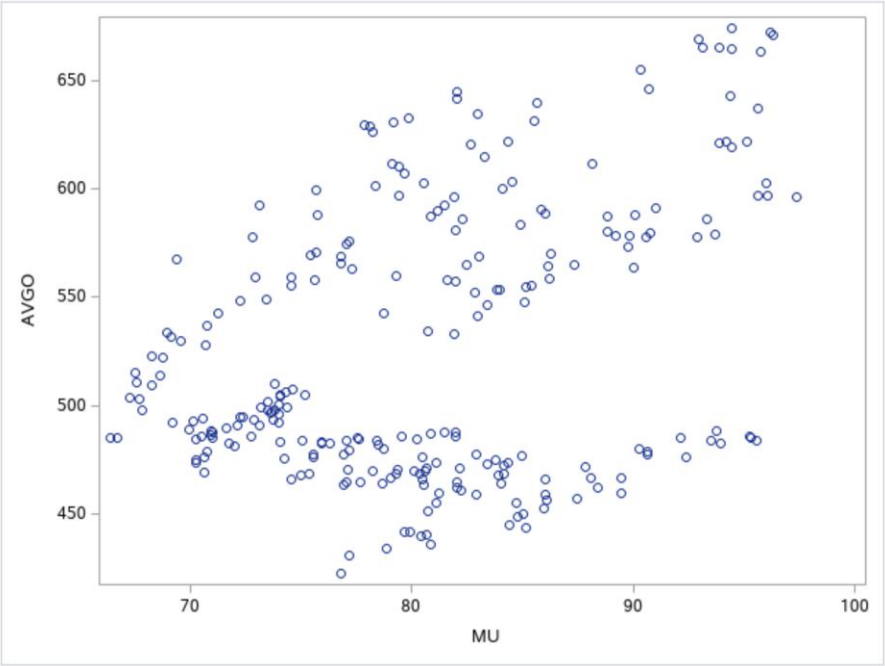
Graph 3 – Scatterplot of HPE vs AVGO



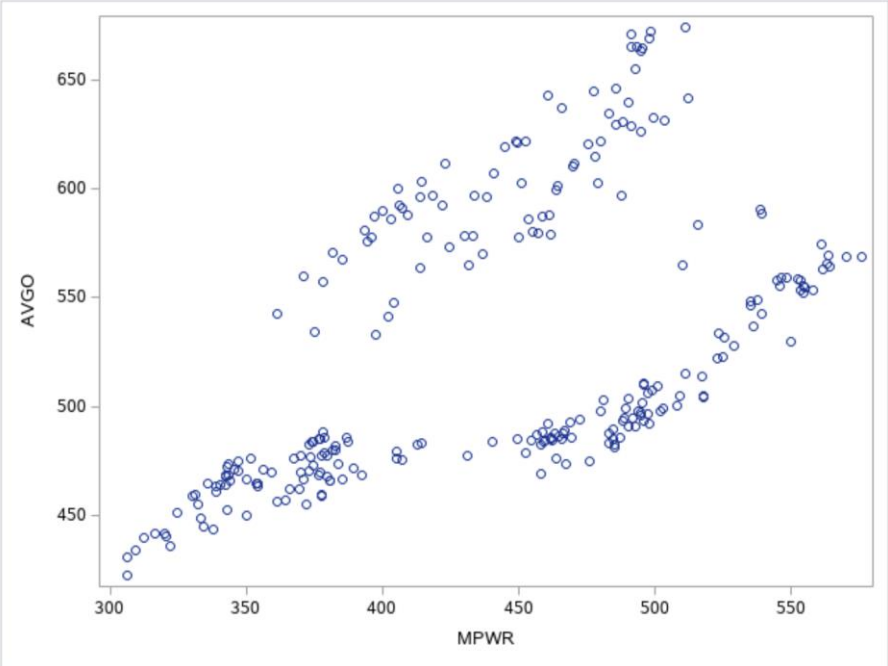
Graph 4 – Scatterplot of MCHP vs AVGO



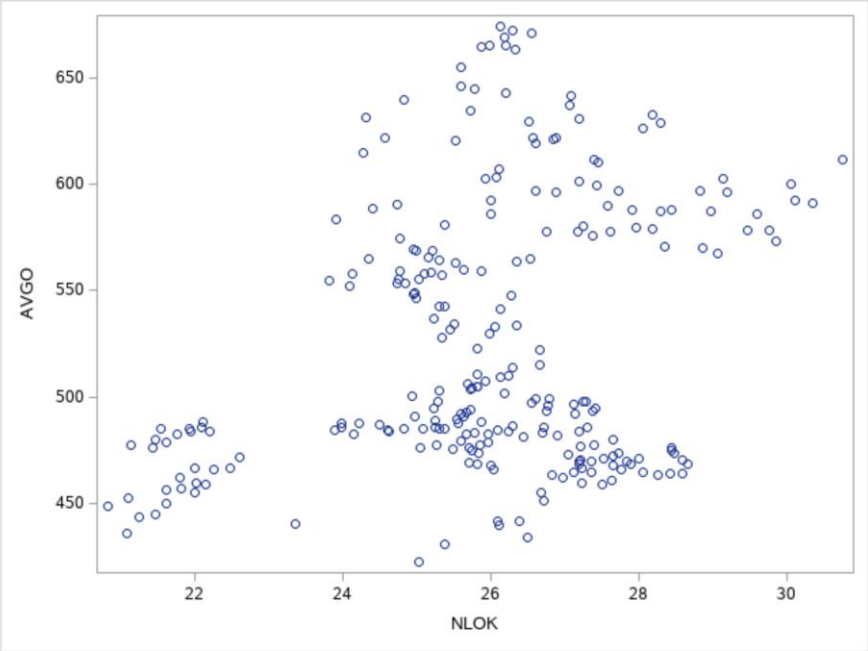
Graph 5 – Scatterplot of MU vs AVGO



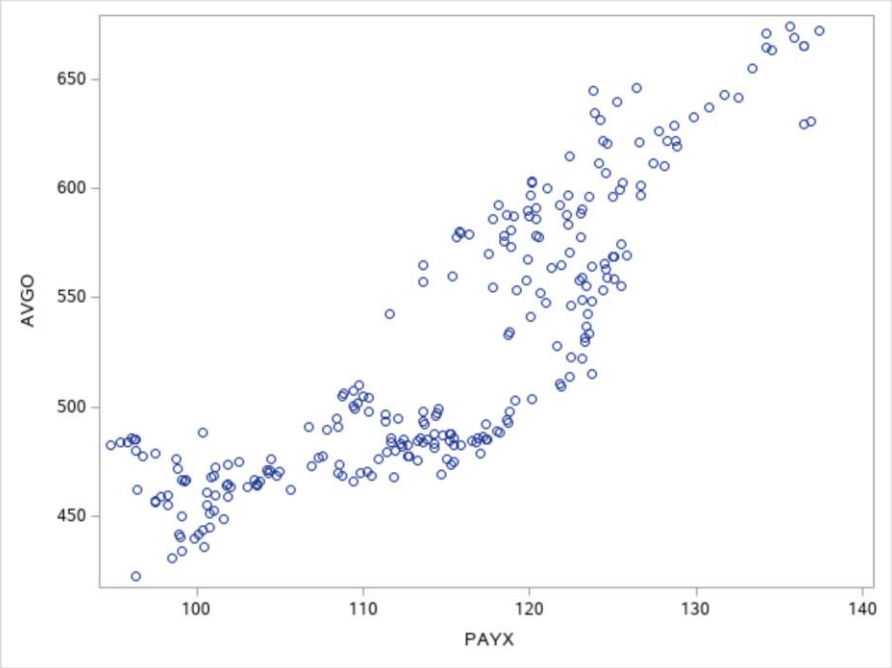
Graph 6 – Scatterplot of MPWR vs AVGO



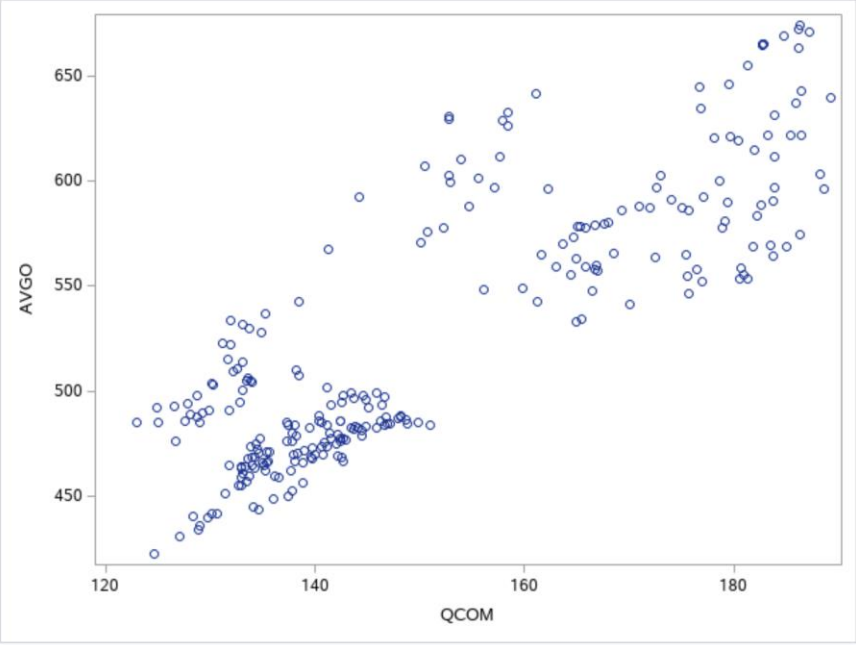
Graph 7 – Scatterplot of NLOK vs AVGO



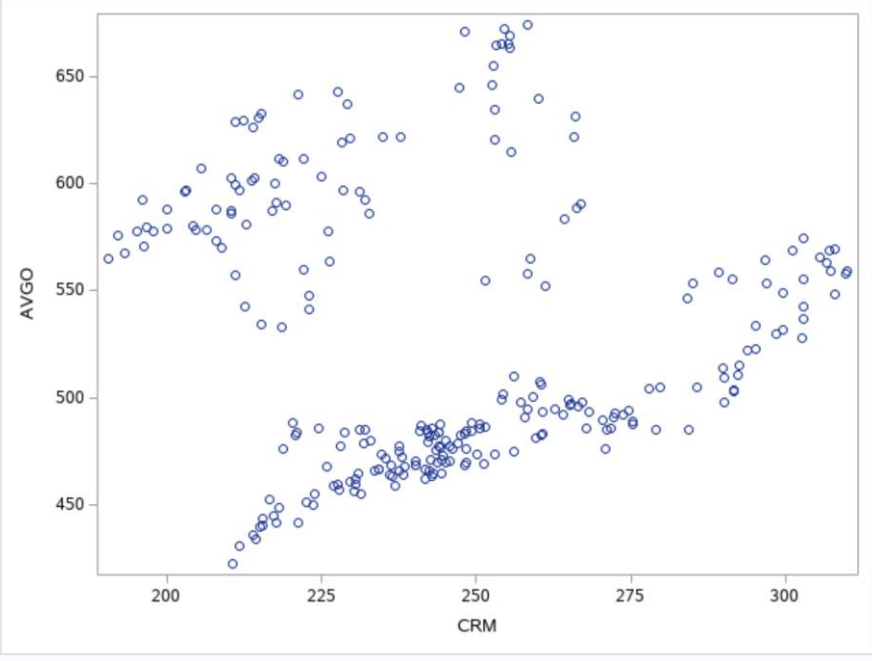
Graph 8 – Scatterplot of PAYX vs AVGO



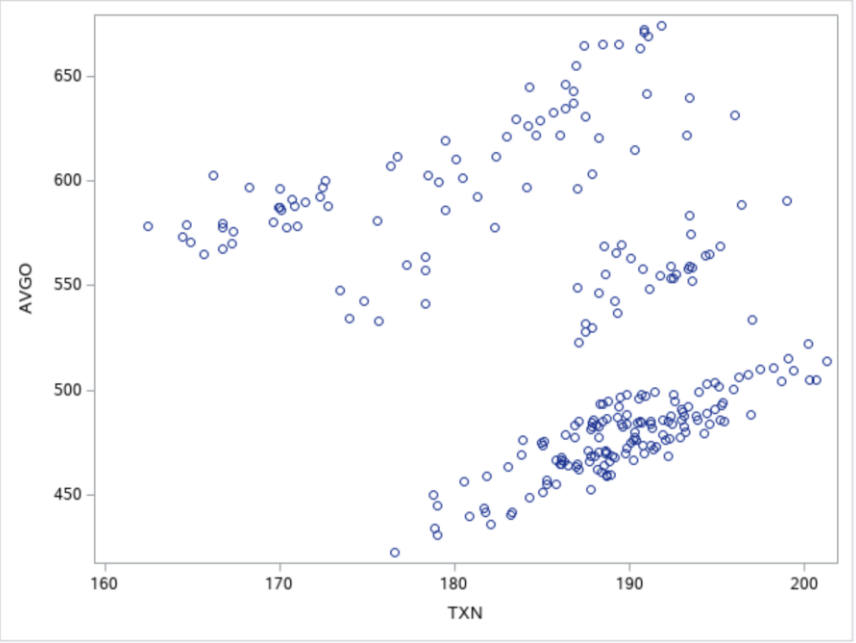
Graph 9 – Scatterplot of QCOM vs AVGO



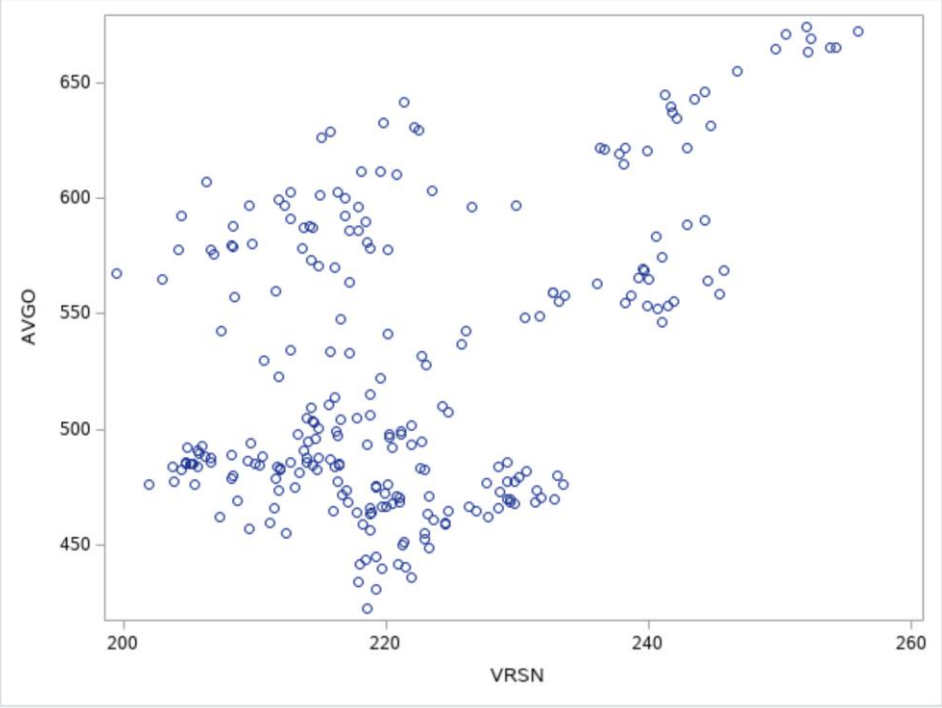
Graph 10 – Scatterplot of CRM vs AVGO



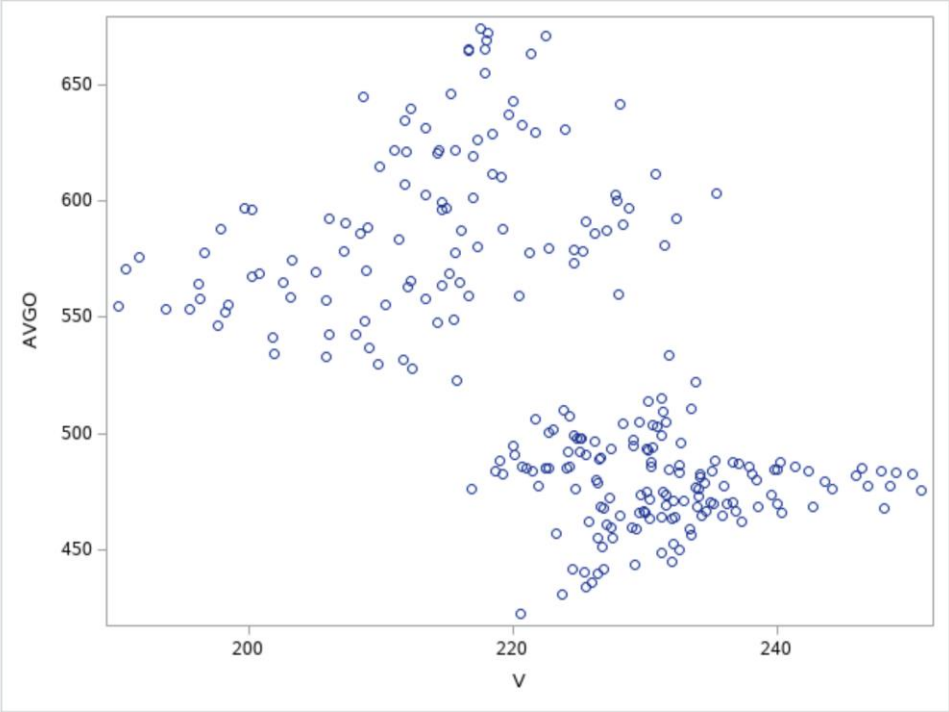
Graph 11 – Scatterplot of TXN vs AVGO



Graph 12 – Scatterplot of VRSN vs AVGO



Graph 13 – Scatterplot of V vs AVGO



```
%web_drop_table(WORK.IMPORT);


FILENAME REFFILE '/home/u60645966/sasuser.v94/Spring 2022 Lab #3 Closing Prices.xlsx';

PROC IMPORT DATAFILE=REFFILE
    DBMS=XLSX
    OUT=WORK.stocks;
    GETNAMES=YES;
RUN;

PROC CONTENTS DATA=WORK.stocks; RUN;


%web_open_table(WORK.IMPORT);

proc print data = stocks(obs=10);
run;

/* run basic stepwise procedure */
proc reg data = stocks;
    model avgo = acn adbe adp akam amd aph adi anss aapl amat anet adsk br cdns cdw cday csco ctxs ctsh glw dxc enph epam ffi
run;

/* look at vifs of stepwise model */
proc reg data = stocks;
    model avgo = acn adbe aph aapl anet cdns cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx pypl qrvo qcom crm now tel ter
run;
/* remove independent variables 1 by 1 based on the highest vif */
/* remove aph */
proc reg data = stocks;
    model avgo = acn adbe aapl anet cdns cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx pypl qrvo qcom crm now tel ter txn
run;
/* remove pypl */
proc reg data = stocks;
    model avgo = acn adbe aapl anet cdns cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn
run;
/* remove cdns */
proc reg data = stocks;
    model avgo = acn adbe aapl anet cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v zb
run;
/* remove zbra */
proc reg data = stocks;
    model avgo = acn adbe aapl anet cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v /
run;
/* remove anet */
proc reg data = stocks;
    model avgo = acn adbe aapl cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v / vif;
run;
/* remove acn */
proc reg data = stocks;
    model avgo = adbe aapl cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v / vif;
run;
/* remove aapl */
proc reg data = stocks;
    model avgo = adbe cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v / vif;
run;
/* remove adbe */
proc reg data = stocks;
    model avgo = cdw dxc hpe klac mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v / vif;
run;
/* remove klac */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr ntap nlok orcl payx qrvo qcom crm now tel ter txn vrsn v / vif;
run;
/* remove qrvo */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr ntap nlok orcl payx qcom crm now tel ter txn vrsn v / vif;
run;
/* remove now */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr ntap nlok orcl payx qcom crm tel ter txn vrsn v / vif;
run;
/* remove tel */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr ntap nlok orcl payx qcom crm ter txn vrsn v / vif;
```

```
run;
/* remove ter */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr ntap nlok orcl payx qcom crm txn vrsn v / vif;
run;

/*remove independent variables based on t-test */
/* remove ntap */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr nlok orcl payx qcom crm txn vrsn v / vif;
run;
/* remove orcl (final first-order model) */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v / vif;
run;

/* verify this is the best first-order model w/ the other 4 selection methods */
/* rsquare criterion */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v / selection = rsquare best = 1;
run;
/* adjusted rsquare criterion */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v / selection = adjrsq;
run;
/* cp criterion */
proc reg data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v / selection = cp;
run;
/* press criterion */
proc glmselect data = stocks;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v / selection = stepwise(choose = press);
run;

/* create correlation matrix */
proc corr data = stocks;
    var cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v;
    with avgo;
run;

/* create interaction plot (to cut down on the amount of code, only the plot that has the
highest interaction was included, but all interactions were tested) */
/* mchp & vrsn */
proc glm data = stocks;
    model avgo = mchp | vrsn / solution;
    ods select ParameterEstimates ;
    store GLMModel;
proc plm restore=GLMModel noinfo;
   effectplot slicefit(x = mchp sliceby = vrsn);
run;
/* create interaction term */
data stocks1;
    set stocks;

    mchp_vrsn = mchp*vrsn;
run;
/* test model w/ interaction term */
proc reg data = stocks1;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v mchp_vrsn;
run;

/* create scatterplots of all independent variables vs broadcom
to determine which variable is the best candidate for a 2nd-order term */
proc sgplot data = stocks;
    scatter x = cdw y = avgo;
run;
proc sgplot data = stocks;
    scatter x = dxc y = avgo;
run;
proc sgplot data = stocks;
    scatter x = hpe y = avgo;
run;
proc sgplot data = stocks;
    scatter x = mchp y = avgo;
run;
proc sgplot data = stocks;
    scatter x = mu y = avgo;
```

```
run;
proc sgplot data = stocks;
    scatter x = mpwr y = avgo;
run;
proc sgplot data = stocks;
    scatter x = nlok y = avgo;
run;
proc sgplot data = stocks;
    scatter x = payx y = avgo;
run;
proc sgplot data = stocks;
    scatter x = qcom y = avgo;
run;
proc sgplot data = stocks;
    scatter x = crm y = avgo;
run;
proc sgplot data = stocks;
    scatter x = txn y = avgo;
run;
proc sgplot data = stocks;
    scatter x = vrsn y = avgo;
run;
proc sgplot data = stocks;
    scatter x = v y = avgo;
run;
/* create 2nd-order terms for dxc and qcom as these seemed to have a bit of curvature in the scatterplots */
data stocks2;
    set stocks;
    dxc_sq = dxc**2;
    qcom_sq = qcom**2;
run;
/* test whether either 2nd-order term is a good fit for the model */
proc reg data = stocks2;
    model avgo = cdw dxc hpe mchp mu mpwr nlok payx qcom crm txn vrsn v dxc_sq;
run;
```

The CONTENTS Procedure

Data Set Name	WORK.STOCKS	**Observations**	254
Member Type	DATA	**Variables**	75
Engine	V9	**Indexes**	0
Created	04/24/2022 15:01:44	**Observation Length**	608
Last Modified	04/24/2022 15:01:44	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	215
Obs in First Data Page	196
Number of Data Set Repairs	0
Filename	/saswork/SAS_workB55F00009BCC_odaws04-usw2.oda.sas.com/SAS_work035300009BCC_odaws04-usw2.oda.sas.com/stocks.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	1074822339
Access Permission	rw-r--r--
Owner Name	u60645966
File Size	384KB
File Size (bytes)	393216

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
10	AAPL	Num	8	BEST.		AAPL
2	ACN	Num	8	BEST.		ACN
3	ADBE	Num	8	BEST.		ADBE
8	ADI	Num	8	BEST.		ADI
4	ADP	Num	8	BEST.		ADP
13	ADSK	Num	8	BEST.		ADSK
5	AKAM	Num	8	BEST.		AKAM
11	AMAT	Num	8	BEST.		AMAT
6	AMD	Num	8	BEST.		AMD
12	ANET	Num	8	BEST.		ANET
9	ANSS	Num	8	BEST.		ANSS
7	APH	Num	8	BEST.		APH
14	AVGO	Num	8	BEST.		AVGO
15	BR	Num	8	BEST.		BR
18	CDAY	Num	8	BEST.		CDAY
16	CDNS	Num	8	BEST.		CDNS
17	CDW	Num	8	BEST.		CDW
61	CRM	Num	8	BEST.		CRM
19	CSCO	Num	8	BEST.		CSCO
21	CTSH	Num	8	BEST.		CTSH
20	CTXS	Num	8	BEST.		CTXS
23	DXC	Num	8	BEST.		DXC
1	Date	Num	8	MMDDYY10.		Date
24	ENPH	Num	8	BEST.		ENPH
25	EPAM	Num	8	BEST.		EPAM
26	FFIV	Num	8	BEST.		FFIV
27	FIS	Num	8	BEST.		FIS
28	FISV	Num	8	BEST.		FISV
29	FLT	Num	8	BEST.		FLT
30	FTNT	Num	8	BEST.		FTNT
22	GLW	Num	8	BEST.		GLW
32	GPN	Char	10	$10.	$10.	GPN
33	HPE	Num	8	BEST.		HPE
34	HPQ	Num	8	BEST.		HPQ
36	IBM	Num	8	BEST.		IBM
35	INTC	Num	8	BEST.		INTC
37	INTU	Num	8	BEST.		INTU
38	IPGP	Num	8	BEST.		IPGP
31	IT	Char	10	$10.	$10.	IT
39	JKHY	Num	8	BEST.		JKHY
40	JNPR	Num	8	BEST.		JNPR
41	KEYS	Num	8	BEST.		KEYS
42	KLAC	Num	8	BEST.		KLAC
43	LRCX	Num	8	BEST.		LRCX
44	MA	Num	8	BEST.		MA
45	MCHP	Num	8	BEST.		MCHP

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
48	MPWR	Num	8	BEST.		MPWR
47	MSFT	Num	8	BEST.		MSFT
49	MSI	Num	8	BEST.		MSI
46	MU	Num	8	BEST.		MU
51	NLOK	Num	8	BEST.		NLOK
63	NOW	Num	8	BEST.		NOW
50	NTAP	Num	8	BEST.		NTAP
52	NVDA	Num	8	BEST.		NVDA
53	NXPI	Num	8	BEST.		NXPI
54	ORCL	Num	8	BEST.		ORCL
56	PAYC	Num	8	BEST.		PAYC
55	PAYX	Num	8	BEST.		PAYX
58	PTC	Num	8	BEST.		PTC
57	PYPL	Num	8	BEST.		PYPL
60	QCOM	Num	8	BEST.		QCOM
59	QRVO	Num	8	BEST.		QRVO
65	SEDG	Num	8	BEST.		SEDG
66	SNPS	Num	8	BEST.		SNPS
62	STX	Num	8	BEST.		STX
64	SWKS	Num	8	BEST.		SWKS
67	TEL	Num	8	BEST.		TEL
68	TER	Num	8	BEST.		TER
70	TRMB	Num	8	BEST.		TRMB
69	TXN	Num	8	BEST.		TXN
71	TYL	Num	8	BEST.		TYL
73	V	Num	8	BEST.		V
72	VRSN	Num	8	BEST.		VRSN
74	WDC	Num	8	BEST.		WDC
75	ZBRA	Num	8	BEST.		ZBRA

Obs	Date	ACN	ADBE	ADP	AKAM	AMD	APH	ADI	ANSS	AAPL	AMAT	ANET	ADSK	AVGO	BR	CDNS	
1	04/01/2021	278.339996	483.339996	189.399994	102.830002	81.089996	67.050003	160.380005	351.850006	123	141.520004	77.010002	283.899994	475.950012	154.919998	141.490005	169
2	04/05/2021	281.130005	491.619995	193.070007	103.860001	81.43	68.82	163.490005	362.76001	125.900002	143.050003	77.904999	288.320007	488.480011	158.600006	145.869995	171
3	04/06/2021	281.630005	491.339996	189.410004	103.739998	81.440002	68.279999	161.710007	358.420013	126.209999	139.539993	76.967499	285.5	483.869995	156.130005	143.460007	171
4	04/07/2021	282.570007	493.410004	185.809998	102.489998	82.199997	67.290001	159.449997	355.339996	127.900002	139.139999	76.955002	286.119995	482.459991	154.679993	142.559998	170
5	04/08/2021	284.420013	499.839996	188.199997	104.389999	83.349998	68.059998	162.119995	362.23999	130.360001	139.350006	77.8125	293.429993	485.480011	154.369995	145.460007	174
6	04/09/2021	287.709991	504.040009	189.440002	103.870003	82.760002	68.459999	161.240005	366.700012	133	138.910004	78.887497	297.570007	485.089996	156	145.350006	175
7	04/12/2021	287.540009	506.029999	189.759995	104.230003	78.580002	67.720001	159.729996	366.940002	131.240005	135	78.502502	294.5	483.670013	155.929993	144.789993	
8	04/13/2021	285.220001	514.859985	191.919998	104.540001	80.190002	67.830002	159.160004	371.019989	134.429993	135.100006	78.582497	295.350006	484.959991	155.770004	146.149994	175
9	04/14/2021	284.440002	510.630005	191.149994	103.57	78.550003	67.709999	158.460007	366.619995	132.029999	134.139999	78.1175	294.350006	477.299988	155.880005	144.610001	178
10	04/15/2021	285.149994	523.25	191.889999	105.830002	83.010002	68.519997	160.710007	374.619995	134.5	134.410004	78.709999	298.859985	480	155.570007	147.589996	180

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Stepwise Selection: Step 1

Variable ANET Entered: R-Square = 0.8966 and C(p) = 3102.675

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	888126	888126	2176.45	<.0001
Error	251	102424	408.06203		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	225.07983	6.57713	477888	1171.12	<.0001
ANET	2.86321	0.06137	888126	2176.45	<.0001

Bounds on condition number: 1, 1

Stepwise Selection: Step 2

Variable CTSH Entered: R-Square = 0.9363 and C(p) = 1816.524

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	927491	463745	1838.54	<.0001

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Error	250	63059	252.23630		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	73.58007	13.18372	7856.91338	31.15	<.0001
ANET	2.16273	0.07398	215589	854.71	<.0001
CTSH	2.84719	0.22791	39364	156.06	<.0001

Bounds on condition number: 2.3504, 9.4016

Stepwise Selection: Step 3

Variable AAPL Entered: R-Square = 0.9486 and C(p) = 1421.189

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	939633	313211	1531.70	<.0001
Error	249	50917	204.48575		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	24.56328	13.46735	680.25438	3.33	0.0694
AAPL	0.99154	0.12867	12142	59.38	<.0001
ANET	1.59933	0.09890	53470	261.49	<.0001
CTSH	2.32668	0.21604	23717	115.99	<.0001

Bounds on condition number: 5.3741, 39.485

Stepwise Selection: Step 4

Variable MCHP Entered: R-Square = 0.9568 and C(p) = 1155.982

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	947798	236950	1374.54	<.0001
Error	248	42751	172.38463		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-59.11941	17.34170	2003.43518	11.62	0.0008
AAPL	1.04276	0.11838	13376	77.59	<.0001
ANET	1.43823	0.09378	40546	235.21	<.0001
CTSH	2.32027	0.19836	23586	136.82	<.0001
MCHP	1.21548	0.17661	8165.56207	47.37	<.0001

Bounds on condition number: 5.5268, 58.982

Stepwise Selection: Step 5

Variable CDW Entered: R-Square = 0.9656 and C(p) = 874.7916

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	956452	191290	1385.70	<.0001
Error	247	34097	138.04610		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-29.72565	15.95654	479.08139	3.47	0.0637
AAPL	1.86655	0.14848	21815	158.03	<.0001
ANET	1.02668	0.09871	14933	108.17	<.0001
CDW	-0.95166	0.12020	8654.00218	62.69	<.0001
CTSH	2.02101	0.18149	17118	124.01	<.0001
MCHP	2.36247	0.21439	16763	121.43	<.0001

Bounds on condition number: 10.6, 132.32

Stepwise Selection: Step 6

Variable CSCO Entered: R-Square = 0.9717 and C(p) = 677.8339

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	962532	160422	1408.54	<.0001
Error	246	28017	113.89209		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-110.21924	18.20531	4174.57263	36.65	<.0001
AAPL	1.74956	0.13582	18900	165.94	<.0001
ANET	0.88335	0.09178	10549	92.63	<.0001
CDW	-1.36781	0.12314	14053	123.38	<.0001
CSCO	3.27567	0.44833	6079.93263	53.38	<.0001
CTSH	2.22961	0.16730	20228	177.61	<.0001
MCHP	2.24462	0.19540	15029	131.96	<.0001

Bounds on condition number: 10.75, 188.25

Stepwise Selection: Step 7

Variable PAYX Entered: R-Square = 0.9746 and C(p) = 584.8499

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	965435	137919	1345.43	<.0001
Error	245	25115	102.50957		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-141.12963	18.22231	6148.84922	59.98	<.0001
AAPL	1.77054	0.12891	19338	188.64	<.0001
ANET	0.49475	0.11365	1942.76743	18.95	<.0001
CDW	-1.60563	0.12508	16892	164.78	<.0001
CSCO	2.56284	0.44593	3385.85088	33.03	<.0001
CTSH	2.30752	0.15940	21483	209.57	<.0001
MCHP	2.72095	0.20586	17909	174.71	<.0001
PAYX	0.95069	0.17866	2902.61014	28.32	<.0001

Bounds on condition number: 13.649, 327.99

Stepwise Selection: Step 8

Variable TEL Entered: R-Square = 0.9769 and C(p) = 513.2455

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	967684	120961	1290.78	<.0001
Error	244	22866	93.71137		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-122.45779	17.83475	4418.05203	47.15	<.0001
AAPL	1.54131	0.13184	12809	136.68	<.0001
ANET	0.78835	0.12409	3782.29963	40.36	<.0001
CDW	-1.10185	0.15772	4573.64519	48.81	<.0001
CSCO	2.77556	0.42857	3930.47947	41.94	<.0001
CTSH	1.97365	0.16694	13098	139.77	<.0001
MCHP	2.81273	0.19772	18966	202.38	<.0001
PAYX	0.99431	0.17105	3166.45703	33.79	<.0001
TEL	-0.72893	0.14879	2249.27101	24.00	<.0001

Bounds on condition number: 17.801, 504.49

Stepwise Selection: Step 9

Variable MU Entered: R-Square = 0.9790 and C(p) = 447.3489

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	9	969759	107751	1259.38	<.0001
Error	243	20791	85.55855		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-157.47837	18.46563	6222.67209	72.73	<.0001
AAPL	1.33999	0.13244	8758.66990	102.37	<.0001
ANET	0.73748	0.11902	3284.96625	38.39	<.0001
CDW	-0.90661	0.15583	2895.98990	33.85	<.0001
CSCO	2.59373	0.41117	3404.68985	39.79	<.0001
CTSH	1.70896	0.16833	8818.81963	103.07	<.0001
MCHP	2.52841	0.19754	14016	163.82	<.0001
MU	0.57819	0.11741	2074.84599	24.25	<.0001
PAYX	1.53465	0.19686	5199.65231	60.77	<.0001
TEL	-0.87419	0.14519	3101.52297	36.25	<.0001

Bounds on condition number: 17.936, 649.65

Stepwise Selection: Step 10

Variable APH Entered: R-Square = 0.9831 and C(p) = 317.8791

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	973777	97378	1404.95	<.0001
Error	242	16773	69.31054		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-146.37148	16.68394	5334.75846	76.97	<.0001
APH	3.65573	0.48017	4017.57577	57.96	<.0001
AAPL	1.01969	0.12641	4510.08280	65.07	<.0001
ANET	0.68525	0.10734	2824.55758	40.75	<.0001
CDW	-0.90718	0.14026	2899.56936	41.83	<.0001
CSCO	2.79381	0.37100	3930.40254	56.71	<.0001
CTSH	1.20023	0.16559	3641.52815	52.54	<.0001
MCHP	1.66375	0.21098	4310.27998	62.19	<.0001
MU	1.00619	0.11970	4897.54567	70.66	<.0001
PAYX	1.16142	0.18384	2766.31433	39.91	<.0001
TEL	-1.75577	0.17460	7008.69305	101.12	<.0001

Bounds on condition number: 28.426, 1111.9

Stepwise Selection: Step 11

Variable NVDA Entered: R-Square = 0.9847 and C(p) = 267.7128

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	975371	88670	1407.83	<.0001
Error	241	15179	62.98343		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-163.71246	16.27344	6374.27870	101.21	<.0001
APH	4.66613	0.49985	5488.62914	87.14	<.0001
AAPL	1.15123	0.12330	5490.23770	87.17	<.0001
ANET	1.02682	0.12280	4403.59998	69.92	<.0001
CDW	-0.83588	0.13445	2434.35329	38.65	<.0001
CSCO	1.84938	0.40040	1343.67793	21.33	<.0001
CTSH	0.75699	0.18077	1104.45737	17.54	<.0001
MCHP	2.03307	0.21410	5679.57828	90.18	<.0001
MU	0.83026	0.11934	3048.35871	48.40	<.0001
NVDA	-0.24071	0.04785	1594.14575	25.31	<.0001
PAYX	1.23894	0.17592	3123.74687	49.60	<.0001
TEL	-1.81710	0.16689	7466.77605	118.55	<.0001

Bounds on condition number: 33.898, 1679.5

Stepwise Selection: Step 12

Variable TXN Entered: R-Square = 0.9857 and C(p) = 235.5701

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	976414	81368	1381.49	<.0001
Error	240	14136	58.89852		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-72.09430	26.86057	424.30282	7.20	0.0078
APH	5.12017	0.49526	6295.19895	106.88	<.0001
AAPL	1.20328	0.11988	5934.10277	100.75	<.0001
ANET	0.73425	0.13760	1677.08022	28.47	<.0001
CDW	-0.85862	0.13013	2564.21846	43.54	<.0001
CSCO	1.08179	0.42800	376.27761	6.39	0.0121
CTSH	0.23689	0.21408	72.12239	1.22	0.2696
MCHP	3.13867	0.33446	5186.76303	88.06	<.0001
MU	0.77750	0.11609	2642.06068	44.86	<.0001
NVDA	-0.26636	0.04667	1918.65278	32.58	<.0001
PAYX	1.82792	0.22028	4055.60275	68.86	<.0001
TEL	-1.97562	0.16572	8370.50575	142.12	<.0001
TXN	-0.72037	0.17116	1043.36188	17.71	<.0001

Bounds on condition number: 35.587, 2321.5

Stepwise Selection: Step 13

Variable CTSH Removed: R-Square = 0.9857 and C(p) = 235.9303

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	976342	88758	1505.57	<.0001
Error	241	14208	58.95339		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-55.66689	22.39591	364.22129	6.18	0.0136
APH	5.41555	0.41737	9925.66874	168.36	<.0001
AAPL	1.21446	0.11951	6088.20950	103.27	<.0001
ANET	0.73642	0.13765	1687.33018	28.62	<.0001
CDW	-0.82944	0.12749	2495.36098	42.33	<.0001
CSCO	0.86722	0.38173	304.26518	5.16	0.0240
MCHP	3.30719	0.29792	7265.04992	123.23	<.0001
MU	0.79356	0.11523	2796.00103	47.43	<.0001
NVDA	-0.29063	0.04121	2931.65977	49.73	<.0001
PAYX	1.92467	0.20228	5337.02342	90.53	<.0001
TEL	-2.07744	0.13790	13380	226.96	<.0001
TXN	-0.82970	0.13983	2075.69685	35.21	<.0001

Bounds on condition number: 34.819, 1698.9

Stepwise Selection: Step 14

Variable QRVO Entered: R-Square = 0.9874 and C(p) = 180.0686

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	978110	81509	1572.58	<.0001
Error	240	12440	51.83157		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-22.06538	21.77339	53.23101	1.03	0.3119
APH	7.27206	0.50417	10784	208.05	<.0001
AAPL	1.39529	0.11625	7466.25492	144.05	<.0001
ANET	0.74773	0.12908	1739.17827	33.55	<.0001
CDW	-1.21611	0.13665	4105.18641	79.20	<.0001
CSCO	0.27829	0.37186	29.02892	0.56	0.4550
MCHP	3.80403	0.29201	8796.19168	169.71	<.0001
MU	0.52179	0.11764	1019.71921	19.67	<.0001
NVDA	-0.31261	0.03883	3360.11590	64.83	<.0001
PAYX	1.93087	0.18968	5371.30281	103.63	<.0001
QRVO	0.43808	0.07500	1768.19065	34.11	<.0001
TEL	-2.46543	0.14536	14909	287.65	<.0001
TXN	-1.50624	0.17495	3842.06963	74.13	<.0001

Bounds on condition number: 41.907, 2366.4

Stepwise Selection: Step 15

Variable CSCO Removed: R-Square = 0.9874 and C(p) = 179.0185

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	978081	88916	1718.63	<.0001
Error	241	12469	51.73695		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-16.86688	20.61677	34.62816	0.67	0.4141
APH	7.32319	0.49906	11140	215.33	<.0001
AAPL	1.41942	0.11159	8370.73774	161.79	<.0001
ANET	0.74112	0.12866	1716.59694	33.18	<.0001
CDW	-1.22183	0.13631	4156.86194	80.35	<.0001
MCHP	3.89647	0.26435	11240	217.26	<.0001
MU	0.49550	0.11217	1009.55911	19.51	<.0001
NVDA	-0.32269	0.03638	4069.57271	78.66	<.0001
PAYX	1.98186	0.17686	6496.74895	125.57	<.0001
QRVO	0.45330	0.07213	2043.42691	39.50	<.0001
TEL	-2.45283	0.14425	14958	289.12	<.0001
TXN	-1.55110	0.16421	4616.25335	89.23	<.0001

Bounds on condition number: 41.137, 1984.9

Stepwise Selection: Step 16

Variable WDC Entered: R-Square = 0.9878 and C(p) = 167.5973

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	978491	81541	1622.91	<.0001
Error	240	12058	50.24361		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-17.82362	20.31981	38.65749	0.77	0.3813
APH	6.55482	0.56053	6870.66206	136.75	<.0001
AAPL	1.33359	0.11400	6875.79560	136.85	<.0001
ANET	0.80087	0.12851	1951.44520	38.84	<.0001
CDW	-1.21200	0.13437	4087.56254	81.35	<.0001
MCHP	4.04427	0.26560	11650	231.87	<.0001
MU	0.70819	0.13327	1418.79308	28.24	<.0001
NVDA	-0.34618	0.03679	4449.67362	88.56	<.0001
PAYX	2.10001	0.17913	6905.68625	137.44	<.0001
QRVO	0.50509	0.07335	2382.08316	47.41	<.0001
TEL	-2.20695	0.16618	8862.05241	176.38	<.0001
TXN	-1.47047	0.16426	4026.29984	80.14	<.0001
WDC	-0.52936	0.18528	410.13753	8.16	0.0047

Bounds on condition number: 53.438, 2570.2

Stepwise Selection: Step 17

Variable NLOK Entered: R-Square = 0.9885 and C(p) = 148.3606

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	13	979140	75318	1577.73	<.0001
Error	239	11409	47.73848		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-84.17302	26.76076	472.29965	9.89	0.0019
APH	6.10490	0.55984	5676.67946	118.91	<.0001
AAPL	1.17606	0.11905	4658.64044	97.59	<.0001
ANET	0.94504	0.13122	2476.00788	51.87	<.0001
CDW	-1.06732	0.13673	2908.80748	60.93	<.0001
MCHP	3.97687	0.25953	11209	234.80	<.0001
MU	0.98311	0.14978	2056.58585	43.08	<.0001
NLOK	1.25720	0.34098	648.97046	13.59	0.0003
NVDA	-0.39112	0.03787	5091.61973	106.66	<.0001
PAYX	2.02109	0.17591	6301.64679	132.00	<.0001
QRVO	0.51582	0.07156	2480.28789	51.96	<.0001
TEL	-2.03227	0.16877	6922.44047	145.01	<.0001
TXN	-1.19200	0.17704	2164.21407	45.33	<.0001
WDC	-0.97387	0.21715	960.22555	20.11	<.0001

Bounds on condition number: 56.104, 3096.4

Stepwise Selection: Step 18

Variable ACN Entered: R-Square = 0.9892 and C(p) = 127.2534

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	979846	69989	1556.28	<.0001
Error	238	10703	44.97212		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-70.91127	26.18855	329.72421	7.33	0.0073
ACN	0.22995	0.05803	706.13159	15.70	<.0001
APH	4.89332	0.62350	2769.99591	61.59	<.0001
AAPL	1.01302	0.12266	3067.52301	68.21	<.0001
ANET	0.95424	0.12739	2523.62848	56.12	<.0001
CDW	-1.03874	0.13291	2747.04935	61.08	<.0001
MCHP	3.81111	0.25535	10018	222.75	<.0001
MU	1.23047	0.15821	2720.14762	60.49	<.0001
NLOK	1.68400	0.34804	1052.86717	23.41	<.0001
NVDA	-0.38666	0.03678	4971.51157	110.55	<.0001
PAYX	1.92778	0.17235	5626.18030	125.10	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
QRVO	0.46000	0.07087	1894.55662	42.13	<.0001
TEL	-1.96852	0.16459	6432.91063	143.04	<.0001
TXN	-1.05375	0.17534	1624.33427	36.12	<.0001
WDC	-1.20144	0.21844	1360.39446	30.25	<.0001

Bounds on condition number: 73.868, 3976.5

Stepwise Selection: Step 19

Variable PYPL Entered: R-Square = 0.9899 and C(p) = 107.1839

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	15	980521	65368	1544.75	<.0001
Error	237	10029	42.31623		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-92.32920	25.96382	535.11607	12.65	0.0005
ACN	0.36929	0.06623	1315.46717	31.09	<.0001
APH	4.34791	0.62005	2080.75436	49.17	<.0001
AAPL	1.00249	0.11901	3002.64529	70.96	<.0001
ANET	0.89866	0.12435	2210.14440	52.23	<.0001
CDW	-0.97935	0.12978	2409.80432	56.95	<.0001
MCHP	3.48900	0.26051	7590.45811	179.37	<.0001
MU	0.99657	0.16427	1557.34106	36.80	<.0001
NLOK	1.86977	0.34080	1273.77539	30.10	<.0001
NVDA	-0.36780	0.03598	4420.91280	104.47	<.0001
PAYX	1.69784	0.17683	3901.08896	92.19	<.0001
PYPL	-0.15091	0.03780	674.41881	15.94	<.0001
QRVO	0.64497	0.08290	2561.18461	60.52	<.0001
TEL	-1.91939	0.16013	6079.70406	143.67	<.0001
TXN	-0.77032	0.18430	739.23788	17.47	<.0001
WDC	-0.92230	0.22313	722.97841	17.09	<.0001

Bounds on condition number: 77.637, 5174.6

Stepwise Selection: Step 20

Variable VRSN Entered: R-Square = 0.9901 and C(p) = 101.3315

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	980761	61298	1477.81	<.0001
Error	236	9788.98616	41.47875		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-58.39408	29.32301	164.49254	3.97	0.0476
ACN	0.44213	0.07223	1554.12329	37.47	<.0001
APH	4.35677	0.61389	2089.16601	50.37	<.0001
AAPL	1.01021	0.11787	3046.79384	73.45	<.0001
ANET	0.92569	0.12362	2325.71893	56.07	<.0001
CDW	-1.03088	0.13026	2597.84039	62.63	<.0001
MCHP	3.42507	0.25928	7237.95690	174.50	<.0001
MU	0.95440	0.16358	1411.93255	34.04	<.0001
NLOK	1.77501	0.33970	1132.49615	27.30	<.0001
NVDA	-0.31942	0.04091	2528.00602	60.95	<.0001
PAYX	1.60958	0.17888	3358.47091	80.97	<.0001
PYPL	-0.15013	0.03743	667.40060	16.09	<.0001
QRVO	0.66620	0.08255	2701.32283	65.13	<.0001
TEL	-2.02223	0.16420	6291.07327	151.67	<.0001
TXN	-0.80990	0.18321	810.56185	19.54	<.0001
VRSN	-0.18938	0.07874	239.96020	5.79	0.0169
WDC	-0.63833	0.25048	269.37572	6.49	0.0115

Bounds on condition number: 77.64, 5946.1

Stepwise Selection: Step 21

Variable NTAP Entered: R-Square = 0.9906 and C(p) = 89.2758

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	981190	57717	1449.18	<.0001

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Error	235	9359.45826	39.82748		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-39.61849	29.29669	72.83527	1.83	0.1776
ACN	0.48956	0.07224	1829.29291	45.93	<.0001
APH	4.31524	0.60168	2048.61742	51.44	<.0001
AAPL	0.98122	0.11584	2857.76204	71.75	<.0001
ANET	0.85995	0.12278	1953.74536	49.06	<.0001
CDW	-1.01138	0.12778	2495.08858	62.65	<.0001
MCHP	3.58233	0.25854	7646.24652	191.98	<.0001
MU	1.02460	0.16171	1598.83017	40.14	<.0001
NTAP	-0.55051	0.16763	429.52789	10.78	0.0012
NLOK	2.25866	0.36399	1533.54512	38.50	<.0001
NVDA	-0.29869	0.04059	2157.14533	54.16	<.0001
PAYX	1.67753	0.17650	3597.89035	90.34	<.0001
PYPL	-0.11084	0.03858	328.82041	8.26	0.0044
QRVO	0.52996	0.09091	1353.44002	33.98	<.0001
TEL	-1.98905	0.16122	6062.38848	152.22	<.0001
TXN	-0.76509	0.18004	719.19514	18.06	<.0001
VRSN	-0.26680	0.08067	435.58804	10.94	0.0011
WDC	-0.66563	0.24559	292.57053	7.35	0.0072

Bounds on condition number: 77.674, 6669.4

Stepwise Selection: Step 22

Variable MSFT Entered: R-Square = 0.9910 and C(p) = 75.9479

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	981659	54537	1435.33	<.0001
Error	234	8891.05452	37.99596		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	14.08411	32.44638	7.15919	0.19	0.6646
ACN	0.62409	0.08029	2295.75902	60.42	<.0001
APH	4.59166	0.59293	2278.59411	59.97	<.0001
AAPL	0.96074	0.11329	2732.42909	71.91	<.0001
ANET	0.95446	0.12291	2291.34458	60.30	<.0001
CDW	-0.98876	0.12497	2378.39015	62.60	<.0001
MCHP	3.34605	0.26134	6228.52589	163.93	<.0001
MU	0.98256	0.15840	1461.92685	38.48	<.0001
MSFT	-0.41404	0.11792	468.40374	12.33	0.0005
NTAP	-0.68930	0.16844	636.32120	16.75	<.0001
NLOK	2.19916	0.35593	1450.50458	38.18	<.0001
NVDA	-0.16669	0.05463	353.69400	9.31	0.0025
PAYX	1.59241	0.17409	3179.18760	83.67	<.0001
PYPL	-0.09799	0.03786	254.55643	6.70	0.0102
QRVO	0.62215	0.09260	1715.29763	45.14	<.0001
TEL	-1.95338	0.15780	5822.64780	153.24	<.0001
TXN	-0.68051	0.17750	558.50312	14.70	0.0002
VRSN	-0.34123	0.08160	664.45554	17.49	<.0001
WDC	-0.92426	0.25093	515.49148	13.57	0.0003

Bounds on condition number: 79.068, 9182.9

Stepwise Selection: Step 23

Variable ORCL Entered: R-Square = 0.9913 and C(p) = 67.6458

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	19	981973	51683	1404.12	<.0001
Error	233	8576.23342	36.80787		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	7.07435	32.02489	1.79613	0.05	0.8254
ACN	0.58416	0.08019	1953.09001	53.06	<.0001
APH	4.68628	0.58448	2366.19533	64.29	<.0001
AAPL	0.87764	0.11507	2141.18047	58.17	<.0001
ANET	1.02003	0.12303	2530.08438	68.74	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
CDW	-0.82587	0.13503	1376.98994	37.41	<.0001
MCHP	3.34219	0.25723	6214.00784	168.82	<.0001
MU	1.16919	0.16846	1772.99459	48.17	<.0001
MSFT	-0.46064	0.11715	569.04306	15.46	0.0001
NTAP	-0.73003	0.16637	708.74088	19.26	<.0001
NLOK	2.32359	0.35290	1595.75580	43.35	<.0001
NVDA	-0.16051	0.05381	327.45175	8.90	0.0032
ORCL	0.51464	0.17597	314.82110	8.55	0.0038
PAYX	1.53832	0.17234	2932.70740	79.68	<.0001
PYPL	-0.10049	0.03727	267.58640	7.27	0.0075
QRVO	0.61229	0.09120	1659.11682	45.08	<.0001
TEL	-2.15988	0.17061	5899.40949	160.28	<.0001
TXN	-0.77599	0.17772	701.70560	19.06	<.0001
VRSN	-0.33393	0.08035	635.70754	17.27	<.0001
WDC	-0.97490	0.24758	570.71551	15.51	0.0001

Bounds on condition number: 79.311, 10173

Stepwise Selection: Step 24

Variable ZBRA Entered: R-Square = 0.9916 and C(p) = 61.6825

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	982217	49111	1367.32	<.0001
Error	232	8332.88403	35.91760		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-8.19965	32.17486	2.33273	0.06	0.7991
ACN	0.64559	0.08266	2190.99643	61.00	<.0001
APH	4.58152	0.57877	2250.65502	62.66	<.0001
AAPL	0.89386	0.11384	2214.37107	61.65	<.0001
ANET	1.06747	0.12289	2709.95031	75.45	<.0001
CDW	-0.69467	0.14259	852.49269	23.73	<.0001
MCHP	3.45481	0.25775	6452.74943	179.65	<.0001
MU	1.01698	0.17639	1193.97257	33.24	<.0001
MSFT	-0.45061	0.11579	543.94195	15.14	0.0001
NTAP	-0.95167	0.18509	949.51816	26.44	<.0001
NLOK	2.46956	0.35308	1757.07969	48.92	<.0001
NVDA	-0.12229	0.05515	176.59478	4.92	0.0276
ORCL	0.57478	0.17536	385.88053	10.74	0.0012
PAYX	1.23422	0.20648	1283.38813	35.73	<.0001
PYPL	-0.06806	0.03887	110.15069	3.07	0.0812
QRVO	0.62245	0.09017	1711.41407	47.65	<.0001
TEL	-1.97986	0.18217	4242.56056	118.12	<.0001
TXN	-0.69960	0.17800	554.84451	15.45	0.0001
VRSN	-0.30232	0.08030	509.13757	14.18	0.0002
WDC	-0.87504	0.24756	448.74796	12.49	0.0005
ZBRA	-0.10348	0.03976	243.34939	6.78	0.0098

Bounds on condition number: 79.697, 12134

Stepwise Selection: Step 25

Variable QCOM Entered: R-Square = 0.9918 and C(p) = 56.6279

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	21	982432	46782	1331.32	<.0001
Error	231	8117.30300	35.13984		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-13.94618	31.90905	6.71248	0.19	0.6625
ACN	0.69809	0.08446	2400.49729	68.31	<.0001
APH	4.09896	0.60472	1614.51027	45.95	<.0001
AAPL	0.71049	0.13476	976.79192	27.80	<.0001
ANET	0.96773	0.12805	2006.95069	57.11	<.0001
CDW	-0.68004	0.14116	815.52972	23.21	<.0001
MCHP	3.60216	0.26180	6652.68350	189.32	<.0001
MU	0.88632	0.18227	830.91874	23.65	<.0001
MSFT	-0.36855	0.11923	335.77422	9.56	0.0022
NTAP	-0.77011	0.19720	535.88842	15.25	0.0001
NLOK	2.51978	0.34983	1823.12087	51.88	<.0001
NVDA	-0.14101	0.05507	230.37036	6.56	0.0111

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
ORCL	0.66311	0.17708	492.76528	14.02	0.0002
PAYX	1.35688	0.21015	1465.01407	41.69	<.0001
PYPL	-0.05955	0.03860	83.63687	2.38	0.1243
QRVO	0.64833	0.08980	1831.55238	52.12	<.0001
QCOM	0.30427	0.12284	215.58104	6.13	0.0140
TEL	-2.13398	0.19063	4403.65517	125.32	<.0001
TXN	-0.70828	0.17610	568.47137	16.18	<.0001
VRSN	-0.34785	0.08152	639.75691	18.21	<.0001
WDC	-0.82701	0.24563	398.34180	11.34	0.0009
ZBRA	-0.14218	0.04231	396.75346	11.29	0.0009

Bounds on condition number: 88.927, 14642

Stepwise Selection: Step 26

Variable SNPS Entered: R-Square = 0.9920 and C(p) = 52.9168

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	22	982607	44664	1293.34	<.0001
Error	230	7942.77683	34.53381		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-2.11324	32.06764	0.14997	0.00	0.9475
ACN	0.69779	0.08373	2398.41126	69.45	<.0001
APH	3.64533	0.63253	1146.97441	33.21	<.0001
AAPL	0.61844	0.13973	676.52705	19.59	<.0001
ANET	1.02479	0.12946	2164.07877	62.67	<.0001
CDW	-0.65663	0.14033	756.15343	21.90	<.0001
MCHP	3.32860	0.28664	4656.76518	134.85	<.0001
MU	0.85526	0.18122	769.20523	22.27	<.0001
MSFT	-0.39183	0.11865	376.62766	10.91	0.0011
NTAP	-0.65172	0.20247	357.82199	10.36	0.0015
NLOK	2.17615	0.37899	1138.58520	32.97	<.0001
NVDA	-0.17948	0.05721	339.84968	9.84	0.0019
ORCL	0.73511	0.17844	586.08142	16.97	<.0001
PAYX	1.27838	0.21123	1264.87178	36.63	<.0001
PYPL	-0.07318	0.03874	123.22107	3.57	0.0602
QRVO	0.61584	0.09019	1610.11284	46.62	<.0001
QCOM	0.38048	0.12641	312.85281	9.06	0.0029
SNPS	0.14776	0.06573	174.52617	5.05	0.0255
TEL	-2.11174	0.18923	4300.58535	124.53	<.0001
TXN	-0.64211	0.17703	454.31625	13.16	0.0004
VRSN	-0.35609	0.08090	669.07385	19.37	<.0001
WDC	-0.63420	0.25817	208.39533	6.03	0.0148
ZBRA	-0.15520	0.04234	463.93640	13.43	0.0003

Bounds on condition number: 99.003, 17048

Stepwise Selection: Step 27

Variable DXC Entered: R-Square = 0.9921 and C(p) = 49.7306

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	23	982765	42729	1257.01	<.0001
Error	229	7784.29248	33.99254		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-0.11919	31.82874	0.00047671	0.00	0.9970
ACN	0.71512	0.08346	2495.74341	73.42	<.0001
APH	3.85844	0.63527	1253.98761	36.89	<.0001
AAPL	0.59643	0.13900	625.86327	18.41	<.0001
ANET	0.96928	0.13099	1861.38668	54.76	<.0001
CDW	-0.66385	0.13926	772.43604	22.72	<.0001
DXC	0.57870	0.26801	158.48434	4.66	0.0319
MCHP	3.43240	0.28842	4814.17012	141.62	<.0001
MU	0.83958	0.17994	740.05411	21.77	<.0001
MSFT	-0.34073	0.12007	273.73354	8.05	0.0050
NTAP	-0.75931	0.20696	457.56022	13.46	0.0003
NLOK	1.65681	0.44636	468.34512	13.78	0.0003
NVDA	-0.18783	0.05690	370.48582	10.90	0.0011
ORCL	0.73543	0.17704	586.58618	17.26	<.0001
PAYX	1.18657	0.21384	1046.64215	30.79	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
PYPL	-0.06598	0.03858	99.41207	2.92	0.0886
QRVO	0.53233	0.09748	1013.69093	29.82	<.0001
QCOM	0.38381	0.12542	318.30676	9.36	0.0025
SNPS	0.18183	0.06709	249.65561	7.34	0.0072
TEL	-2.17929	0.19033	4456.38130	131.10	<.0001
TXN	-0.67031	0.17613	492.36516	14.48	0.0002
VRSN	-0.33499	0.08086	583.48259	17.17	<.0001
WDC	-0.55670	0.25864	157.48337	4.63	0.0324
ZBRA	-0.18006	0.04356	580.84353	17.09	<.0001

Bounds on condition number: 101.45, 18559

Stepwise Selection: Step 28

Variable TER Entered: R-Square = 0.9924 and C(p) = 42.9785

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	24	983033	40960	1242.39	<.0001
Error	228	7516.83766	32.96859		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	6.77694	31.43905	1.53189	0.05	0.8295
ACN	0.69330	0.08255	2325.55507	70.54	<.0001
APH	4.41712	0.65566	1496.33094	45.39	<.0001
AAPL	0.62036	0.13715	674.54423	20.46	<.0001
ANET	0.92139	0.13009	1653.88876	50.17	<.0001
CDW	-0.59442	0.13930	600.34516	18.21	<.0001
DXC	0.93182	0.29161	336.63375	10.21	0.0016
MCHP	3.18985	0.29654	3814.95182	115.71	<.0001
MU	0.75921	0.17944	590.19436	17.90	<.0001
MSFT	-0.33929	0.11825	271.43020	8.23	0.0045
NTAP	-0.76490	0.20383	464.27554	14.08	0.0002
NLOK	1.72613	0.44025	506.80493	15.37	0.0001
NVDA	-0.19617	0.05611	403.01854	12.22	0.0006
ORCL	0.70269	0.17473	533.20776	16.17	<.0001
PAYX	1.04363	0.21649	766.14829	23.24	<.0001
PYPL	-0.07935	0.03828	141.64614	4.30	0.0393
QRVO	0.52221	0.09607	974.17072	29.55	<.0001
QCOM	0.32651	0.12515	224.41891	6.81	0.0097
SNPS	0.17407	0.06613	228.41511	6.93	0.0091
TEL	-2.32702	0.19449	4719.66873	143.16	<.0001
TER	0.25432	0.08929	267.45482	8.11	0.0048
TXN	-0.64583	0.17367	455.94400	13.83	0.0003
VRSN	-0.38087	0.08124	724.60050	21.98	<.0001
WDC	-0.70463	0.25996	242.22962	7.35	0.0072
ZBRA	-0.18369	0.04292	603.94266	18.32	<.0001

Bounds on condition number: 111.42, 20278

Stepwise Selection: Step 29

Variable KLAC Entered: R-Square = 0.9926 and C(p) = 39.1528

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	25	983211	39328	1216.49	<.0001
Error	227	7338.81013	32.32956		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-4.27963	31.48739	0.59723	0.02	0.8920
ACN	0.70778	0.08198	2409.98187	74.54	<.0001
APH	4.26286	0.65259	1379.49936	42.67	<.0001
AAPL	0.50934	0.14382	405.49688	12.54	0.0005
ANET	0.96485	0.13015	1776.88148	54.96	<.0001
CDW	-0.55941	0.13875	525.54835	16.26	<.0001
DXC	1.09938	0.29747	441.58597	13.66	0.0003
KLAC	-0.13296	0.05666	178.02753	5.51	0.0198
MCHP	3.42225	0.30990	3942.62931	121.95	<.0001
MU	0.90601	0.18838	747.81021	23.13	<.0001
MSFT	-0.21452	0.12860	89.95754	2.78	0.0967
NTAP	-0.59536	0.21439	249.32495	7.71	0.0059
NLOK	1.56321	0.44146	405.37058	12.54	0.0005
NVDA	-0.22145	0.05660	494.94480	15.31	0.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
ORCL	0.61797	0.17675	395.17735	12.22	0.0006
PAYX	1.03119	0.21445	747.52785	23.12	<.0001
PYPL	-0.08192	0.03793	150.84302	4.67	0.0318
QRVO	0.47549	0.09719	773.77373	23.93	<.0001
QCOM	0.40628	0.12851	323.15201	10.00	0.0018
SNPS	0.17197	0.06549	222.91808	6.90	0.0092
TEL	-2.31217	0.19270	4654.61999	143.97	<.0001
TER	0.33208	0.09443	399.86500	12.37	0.0005
TXN	-0.58599	0.17385	367.29638	11.36	0.0009
VRSN	-0.46196	0.08756	899.95034	27.84	<.0001
WDC	-0.80040	0.26064	304.88374	9.43	0.0024
ZBRA	-0.18349	0.04250	602.62416	18.64	<.0001

Bounds on condition number: 112.57, 23142

Stepwise Selection: Step 30

Variable MPWR Entered: R-Square = 0.9927 and C(p) = 37.1262

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	26	983334	37821	1184.55	<.0001
Error	226	7215.76319	31.92816		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	1.88533	31.44849	0.11475	0.00	0.9522
ACN	0.72134	0.08176	2485.34811	77.84	<.0001
APH	4.21515	0.64898	1346.90452	42.19	<.0001
AAPL	0.44372	0.14678	291.79408	9.14	0.0028
ANET	0.94289	0.12982	1684.27728	52.75	<.0001
CDW	-0.49107	0.14221	380.73386	11.92	0.0007
DXC	1.22355	0.30231	523.02646	16.38	<.0001
KLAC	-0.12430	0.05648	154.64661	4.84	0.0288
MCHP	3.45524	0.30843	4007.07747	125.50	<.0001
MU	0.94090	0.18805	799.30321	25.03	<.0001
MSFT	-0.20303	0.12794	80.40795	2.52	0.1139
MPWR	-0.05882	0.02996	123.04694	3.85	0.0509
NTAP	-0.70590	0.22037	327.62035	10.26	0.0016
NLOK	1.27817	0.46212	244.25826	7.65	0.0061
NVDA	-0.13984	0.06994	127.63205	4.00	0.0468
ORCL	0.66661	0.17739	450.86475	14.12	0.0002
PAYX	0.96622	0.21567	640.85555	20.07	<.0001
PYPL	-0.09093	0.03797	183.10799	5.74	0.0174
QRVO	0.53678	0.10151	892.82613	27.96	<.0001
QCOM	0.32436	0.13435	186.09955	5.83	0.0166
SNPS	0.23242	0.07200	332.69494	10.42	0.0014
TEL	-2.18703	0.20183	3748.94967	117.42	<.0001
TER	0.28559	0.09678	278.02526	8.71	0.0035
TXN	-0.54962	0.17376	319.43650	10.00	0.0018
VRSN	-0.49250	0.08839	991.18831	31.04	<.0001
WDC	-0.87980	0.26215	359.60752	11.26	0.0009
ZBRA	-0.21600	0.04537	723.80502	22.67	<.0001

Bounds on condition number: 112.72, 26905

Stepwise Selection: Step 31

Variable CDNS Entered: R-Square = 0.9928 and C(p) = 34.9813

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983461	36424	1156.07	<.0001
Error	225	7089.09828	31.50710		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	0.51738	31.24789	0.00864	0.00	0.9868
ACN	0.72235	0.08122	2492.23224	79.10	<.0001
APH	4.12790	0.64615	1285.86342	40.81	<.0001
AAPL	0.56906	0.15864	405.40664	12.87	0.0004
ANET	0.95009	0.12901	1708.78559	54.23	<.0001
CDNS	0.36993	0.18450	126.66491	4.02	0.0462
CDW	-0.53360	0.14285	439.62719	13.95	0.0002
DXC	1.39775	0.31262	629.84216	19.99	<.0001
KLAC	-0.13081	0.05620	170.68732	5.42	0.0208

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
MCHP	3.39383	0.30791	3827.65547	121.49	<.0001
MU	0.79857	0.19984	503.11707	15.97	<.0001
MSFT	-0.21802	0.12731	92.39885	2.93	0.0882
MPWR	-0.07680	0.03109	192.30964	6.10	0.0142
NTAP	-0.61125	0.22394	234.74161	7.45	0.0068
NLOK	1.41434	0.46405	292.66929	9.29	0.0026
NVDA	-0.12774	0.06974	105.70906	3.36	0.0683
ORCL	0.56956	0.18275	306.05013	9.71	0.0021
PAYX	0.82273	0.22588	418.00557	13.27	0.0003
PYPL	-0.08826	0.03774	172.29909	5.47	0.0202
QRVO	0.52046	0.10117	833.90554	26.47	<.0001
QCOM	0.31780	0.13350	178.53849	5.67	0.0181
SNPS	0.12066	0.09068	55.79183	1.77	0.1846
TEL	-2.07648	0.20794	3141.95416	99.72	<.0001
TER	0.25556	0.09730	217.35511	6.90	0.0092
TXN	-0.55412	0.17263	324.63754	10.30	0.0015
VRSN	-0.50463	0.08802	1035.68342	32.87	<.0001
WDC	-0.71470	0.27313	215.73614	6.85	0.0095
ZBRA	-0.23053	0.04564	803.67838	25.51	<.0001

Bounds on condition number: 113.24, 32065

Stepwise Selection: Step 32

Variable SNPS Removed: R-Square = 0.9928 and C(p) = 34.8070

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	26	983405	37823	1196.39	<.0001
Error	226	7144.89011	31.61456		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-6.23886	30.88519	1.29002	0.04	0.8401
ACN	0.71787	0.08129	2465.62458	77.99	<.0001
APH	4.26621	0.63883	1409.94883	44.60	<.0001
AAPL	0.67304	0.13830	748.70418	23.68	<.0001
ANET	0.94079	0.12904	1680.43288	53.15	<.0001
CDNS	0.52084	0.14578	403.56802	12.77	0.0004
CDW	-0.57380	0.13986	532.15039	16.83	<.0001
DXC	1.38875	0.31308	622.04894	19.68	<.0001
KLAC	-0.13615	0.05615	185.86404	5.88	0.0161
MCHP	3.45607	0.30486	4063.09729	128.52	<.0001
MU	0.74602	0.19623	456.92276	14.45	0.0002
MSFT	-0.22201	0.12749	95.87033	3.03	0.0830
MPWR	-0.07077	0.03081	166.85915	5.28	0.0225
NTAP	-0.58235	0.22326	215.08742	6.80	0.0097
NLOK	1.72081	0.40356	574.82775	18.18	<.0001
NVDA	-0.12570	0.06984	102.40444	3.24	0.0732
ORCL	0.48980	0.17293	253.61828	8.02	0.0050
PAYX	0.81682	0.22622	412.17851	13.04	0.0004
PYPL	-0.08070	0.03737	147.38104	4.66	0.0319
QRVO	0.52051	0.10134	834.06060	26.38	<.0001
QCOM	0.30323	0.13328	163.64349	5.18	0.0238
TEL	-2.06370	0.20807	3110.03187	98.37	<.0001
TER	0.25770	0.09745	221.07610	6.99	0.0088
TXN	-0.58666	0.17118	371.34309	11.75	0.0007
VRSN	-0.50256	0.08815	1027.54297	32.50	<.0001
WDC	-0.71500	0.27359	215.91814	6.83	0.0096
ZBRA	-0.22155	0.04522	758.87555	24.00	<.0001

Bounds on condition number: 110.31, 27112

Stepwise Selection: Step 33

Variable HPE Entered: R-Square = 0.9930 and C(p) = 31.3086

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983573	36429	1174.80	<.0001
Error	225	6976.86466	31.00829		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	11.61923	31.53499	4.20966	0.14	0.7129
ACN	0.71464	0.08052	2442.74064	78.78	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
APH	3.80319	0.66320	1019.71892	32.89	<.0001
AAPL	0.66393	0.13703	727.98090	23.48	<.0001
ANET	1.03598	0.13418	1848.43690	59.61	<.0001
CDNS	0.55931	0.14531	459.37005	14.81	0.0002
CDW	-0.44819	0.14865	281.87877	9.09	0.0029
DXC	1.26370	0.31468	500.05253	16.13	<.0001
HPE	-2.32304	0.99795	168.02545	5.42	0.0208
KLAC	-0.14440	0.05572	208.21456	6.71	0.0102
MCHP	3.62243	0.31026	4226.84594	136.31	<.0001
MU	0.69363	0.19564	389.78380	12.57	0.0005
MSFT	-0.19541	0.12678	73.66973	2.38	0.1246
MPWR	-0.09359	0.03204	264.47566	8.53	0.0039
NTAP	-0.47003	0.22632	133.75005	4.31	0.0389
NLOK	1.63718	0.40128	516.14269	16.65	<.0001
NVDA	-0.12713	0.06917	104.75330	3.38	0.0674
ORCL	0.52695	0.17201	291.01794	9.39	0.0025
PAYX	0.82207	0.22405	417.44867	13.46	0.0003
PYPL	-0.12372	0.04137	277.29534	8.94	0.0031
QRVO	0.56751	0.10237	952.91863	30.73	<.0001
QCOM	0.29113	0.13210	150.60981	4.86	0.0285
TEL	-1.90115	0.21758	2367.50737	76.35	<.0001
TER	0.19552	0.10014	118.20211	3.81	0.0521
TXN	-0.55925	0.16994	335.82173	10.83	0.0012
VRSN	-0.53466	0.08839	1134.68802	36.59	<.0001
WDC	-0.47031	0.29063	81.20149	2.62	0.1070
ZBRA	-0.25672	0.04726	914.80502	29.50	<.0001

Bounds on condition number: 121.21, 29937

Stepwise Selection: Step 34

Variable ADBE Entered: R-Square = 0.9931 and C(p) = 28.4443

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	983721	35133	1152.54	<.0001
Error	224	6828.21770	30.48311		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	13.28966	31.27595	5.50384	0.18	0.6713
ACN	0.66034	0.08353	1904.95484	62.49	<.0001
ADBE	-0.07859	0.03559	148.64697	4.88	0.0282
APH	3.59578	0.66424	893.30551	29.30	<.0001
AAPL	0.62827	0.13682	642.80185	21.09	<.0001
ANET	0.94479	0.13930	1402.29190	46.00	<.0001
CDNS	0.62053	0.14672	545.24354	17.89	<.0001
CDW	-0.42497	0.14776	252.14422	8.27	0.0044
DXC	1.32588	0.31328	546.02614	17.91	<.0001
HPE	-2.86091	1.01900	240.28083	7.88	0.0054
KLAC	-0.14205	0.05526	201.43732	6.61	0.0108
MCHP	3.39359	0.32461	3331.60376	109.29	<.0001
MU	0.60245	0.19832	281.29399	9.23	0.0027
MSFT	-0.03224	0.14581	1.49013	0.05	0.8252
MPWR	-0.09293	0.03177	260.76333	8.55	0.0038
NTAP	-0.37016	0.22890	79.71458	2.62	0.1073
NLOK	1.67645	0.39827	540.12154	17.72	<.0001
NVDA	-0.10536	0.06929	70.48763	2.31	0.1298
ORCL	0.53249	0.17056	297.10473	9.75	0.0020
PAYX	0.73375	0.22572	322.13206	10.57	0.0013
PYPL	-0.11199	0.04136	223.43409	7.33	0.0073
QRVO	0.59486	0.10225	1031.64302	33.84	<.0001
QCOM	0.35621	0.13425	214.61218	7.04	0.0085
TEL	-1.83310	0.21792	2157.02148	70.76	<.0001
TER	0.16997	0.09996	88.12741	2.89	0.0905
TXN	-0.52302	0.16929	290.97065	9.55	0.0023
VRSN	-0.50857	0.08843	1008.32063	33.08	<.0001
WDC	-0.44313	0.28842	71.95518	2.36	0.1259
ZBRA	-0.22390	0.04916	632.30727	20.74	<.0001

Bounds on condition number: 136.96, 34665

Stepwise Selection: Step 35

Variable MSFT Removed: R-Square = 0.9931 and C(p) = 26.4931

Analysis of Variance

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983720	36434	1200.30	<.0001
Error	225	6829.70783	30.35426		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	10.84074	29.18708	4.18751	0.14	0.7107
ACN	0.65414	0.07852	2106.71978	69.40	<.0001
ADBE	-0.08258	0.03062	220.82656	7.27	0.0075
APH	3.56308	0.64619	922.88919	30.40	<.0001
AAPL	0.62063	0.13210	670.02059	22.07	<.0001
ANET	0.93494	0.13170	1529.74218	50.40	<.0001
CDNS	0.62239	0.14617	550.34060	18.13	<.0001
CDW	-0.42311	0.14721	250.75463	8.26	0.0044
DXC	1.34181	0.30423	590.47559	19.45	<.0001
HPE	-2.90520	0.99700	257.73866	8.49	0.0039
KLAC	-0.14625	0.05179	242.01586	7.97	0.0052
MCHP	3.40707	0.31816	3480.91176	114.68	<.0001
MU	0.60074	0.19775	280.12579	9.23	0.0027
MPWR	-0.09320	0.03168	262.66330	8.65	0.0036
NTAP	-0.35329	0.21536	81.69060	2.69	0.1023
NLOK	1.66873	0.39589	539.30441	17.77	<.0001
NVDA	-0.11037	0.06533	86.63090	2.85	0.0925
ORCL	0.52847	0.16923	295.99610	9.75	0.0020
PAYX	0.73390	0.22524	322.26285	10.62	0.0013
PYPL	-0.11193	0.04128	223.20295	7.35	0.0072
QRVO	0.59117	0.10066	1046.87253	34.49	<.0001
QCOM	0.36657	0.12556	258.73125	8.52	0.0039
TEL	-1.83159	0.21735	2155.58553	71.01	<.0001
TER	0.17077	0.09969	89.07751	2.93	0.0881
TXN	-0.52260	0.16892	290.54064	9.57	0.0022
VRSN	-0.50756	0.08812	1007.00432	33.18	<.0001
WDC	-0.43243	0.28373	70.50725	2.32	0.1289
ZBRA	-0.22369	0.04905	631.34396	20.80	<.0001

Bounds on condition number: 117.55, 27938

Stepwise Selection: Step 36

Variable V Entered: R-Square = 0.9932 and C(p) = 25.4388

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	983813	35136	1168.36	<.0001
Error	224	6736.37034	30.07308		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	9.39230	29.06321	3.14076	0.10	0.7469
ACN	0.60547	0.08290	1604.34265	53.35	<.0001
ADBE	-0.08545	0.03052	235.80578	7.84	0.0056
APH	3.48187	0.64484	876.79445	29.16	<.0001
AAPL	0.59195	0.13249	600.32194	19.96	<.0001
ANET	0.85454	0.13881	1139.78293	37.90	<.0001
CDNS	0.71395	0.15449	642.22257	21.36	<.0001
CDW	-0.44955	0.14729	280.13382	9.32	0.0025
DXC	1.02481	0.35224	254.55180	8.46	0.0040
HPE	-3.57322	1.06235	340.22175	11.31	0.0009
KLAC	-0.14729	0.05156	245.43909	8.16	0.0047
MCHP	3.38946	0.31684	3441.60081	114.44	<.0001
MU	0.54991	0.19894	229.78566	7.64	0.0062
MPWR	-0.09812	0.03166	288.86162	9.61	0.0022
NTAP	-0.25224	0.22190	38.86148	1.29	0.2569
NLOK	1.78221	0.39929	599.13973	19.92	<.0001
NVDA	-0.10275	0.06517	74.74991	2.49	0.1163
ORCL	0.49037	0.16983	250.71648	8.34	0.0043
PAYX	0.80643	0.22794	376.41542	12.52	0.0005
PYPL	-0.15886	0.04897	316.53991	10.53	0.0014
QRVO	0.57248	0.10076	970.87661	32.28	<.0001
QCOM	0.34569	0.12553	228.04725	7.58	0.0064
TEL	-1.78645	0.21785	2022.28816	67.25	<.0001
TER	0.24188	0.10712	153.33734	5.10	0.0249
TXN	-0.58403	0.17171	347.89164	11.57	0.0008
VRSN	-0.53199	0.08880	1079.30114	35.89	<.0001
V	0.18362	0.10423	93.33749	3.10	0.0795
WDC	-0.35968	0.28542	47.75867	1.59	0.2089

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
ZBRA	-0.20010	0.05062	469.86340	15.62	0.0001

Bounds on condition number: 118.16, 31225

Stepwise Selection: Step 37

Variable NTAP Removed: R-Square = 0.9932 and C(p) = 24.7104

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983774	36436	1210.01	<.0001
Error	225	6775.23181	30.11214		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	9.72464	29.08061	3.36730	0.11	0.7384
ACN	0.58464	0.08090	1572.69832	52.23	<.0001
ADBE	-0.08711	0.03050	245.61521	8.16	0.0047
APH	3.29338	0.62356	839.97239	27.89	<.0001
AAPL	0.56964	0.13111	568.39557	18.88	<.0001
ANET	0.86935	0.13828	1190.13244	39.52	<.0001
CDNS	0.76681	0.14743	814.62558	27.05	<.0001
CDW	-0.46953	0.14633	310.00915	10.30	0.0015
DXC	0.90421	0.33611	217.93545	7.24	0.0077
HPE	-3.90230	1.02281	438.32198	14.56	0.0002
KLAC	-0.16178	0.04999	315.42012	10.47	0.0014
MCHP	3.31842	0.31082	3432.38669	113.99	<.0001
MU	0.52149	0.19749	209.96817	6.97	0.0089
MPWR	-0.09516	0.03157	273.55577	9.08	0.0029
NLOK	1.72576	0.39644	570.61385	18.95	<.0001
NVDA	-0.12556	0.06205	123.30339	4.09	0.0442
ORCL	0.47181	0.16915	234.26078	7.78	0.0057
PAYX	0.85278	0.22441	434.84255	14.44	0.0002
PYPL	-0.18331	0.04402	522.25550	17.34	<.0001
QRVO	0.59646	0.09859	1102.21614	36.60	<.0001
QCOM	0.40037	0.11603	358.54776	11.91	0.0007
TEL	-1.80066	0.21763	2061.37405	68.46	<.0001
TER	0.25669	0.10639	175.28747	5.82	0.0166
TXN	-0.59547	0.17153	362.90929	12.05	0.0006
VRSN	-0.54239	0.08839	1133.90003	37.66	<.0001
V	0.21425	0.10075	136.16661	4.52	0.0346
WDC	-0.29928	0.28061	34.25218	1.14	0.2873
ZBRA	-0.18387	0.04860	431.01816	14.31	0.0002

Bounds on condition number: 110.34, 27904

Stepwise Selection: Step 38

Variable WDC Removed: R-Square = 0.9931 and C(p) = 23.8313

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	26	983740	37836	1255.74	<.0001
Error	226	6809.48399	30.13046		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	19.91834	27.47342	15.83749	0.53	0.4692
ACN	0.59208	0.08062	1625.12454	53.94	<.0001
ADBE	-0.08544	0.03047	236.90984	7.86	0.0055
APH	3.31701	0.62336	853.14789	28.32	<.0001
AAPL	0.62183	0.12167	786.96093	26.12	<.0001
ANET	0.86229	0.13817	1173.57735	38.95	<.0001
CDNS	0.82701	0.13623	1110.35115	36.85	<.0001
CDW	-0.47990	0.14606	325.29084	10.80	0.0012
DXC	0.88128	0.33552	207.87242	6.90	0.0092
HPE	-4.26538	0.96478	588.92596	19.55	<.0001
KLAC	-0.15060	0.04889	285.90697	9.49	0.0023
MCHP	3.29060	0.30981	3399.01826	112.81	<.0001
MU	0.38953	0.15397	192.84681	6.40	0.0121
MPWR	-0.09803	0.03147	292.40115	9.70	0.0021
NLOK	1.60160	0.37908	537.84013	17.85	<.0001
NVDA	-0.11697	0.06154	108.84414	3.61	0.0586
ORCL	0.47521	0.16918	237.73663	7.89	0.0054
PAYX	0.79211	0.21715	400.93297	13.31	0.0003
PYPL	-0.19573	0.04246	640.15939	21.25	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
QRVO	0.59144	0.09850	1086.20140	36.05	<.0001
QCOM	0.40098	0.11606	359.64677	11.94	0.0007
TEL	-1.81024	0.21751	2086.91905	69.26	<.0001
TER	0.22691	0.10269	147.10759	4.88	0.0281
TXN	-0.62708	0.16900	414.83667	13.77	0.0003
VRSN	-0.56006	0.08685	1253.04039	41.59	<.0001
V	0.22518	0.10026	151.98942	5.04	0.0257
ZBRA	-0.19843	0.04666	544.98677	18.09	<.0001

Bounds on condition number: 110.2, 24726

Stepwise Selection: Step 39

Variable NOW Entered: R-Square = 0.9932 and C(p) = 23.5223

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983811	36437	1216.58	<.0001
Error	225	6738.92380	29.95077		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	21.46676	27.40995	18.37065	0.61	0.4343
ACN	0.56318	0.08256	1393.84759	46.54	<.0001
ADBE	-0.10878	0.03397	307.08284	10.25	0.0016
APH	3.08937	0.63895	700.19152	23.38	<.0001
AAPL	0.62371	0.12132	791.64330	26.43	<.0001
ANET	0.84338	0.13830	1113.75208	37.19	<.0001
CDNS	0.74484	0.14600	779.56379	26.03	<.0001
CDW	-0.44182	0.14772	267.93218	8.95	0.0031
DXC	0.90301	0.33482	217.85891	7.27	0.0075
HPE	-4.47894	0.97191	636.06681	21.24	<.0001
KLAC	-0.15851	0.04902	313.21787	10.46	0.0014
MCHP	3.27328	0.30910	3358.83230	112.15	<.0001
MU	0.35219	0.15543	153.78313	5.13	0.0244
MPWR	-0.10349	0.03157	321.73953	10.74	0.0012
NLOK	1.62684	0.37830	553.88049	18.49	<.0001
NVDA	-0.12676	0.06169	126.46292	4.22	0.0410
ORCL	0.48234	0.16873	244.74246	8.17	0.0047
PAYX	0.86987	0.22235	458.41661	15.31	0.0001
PYPL	-0.20084	0.04247	669.88422	22.37	<.0001
QRVO	0.56880	0.09931	982.51210	32.80	<.0001
QCOM	0.44846	0.11978	419.85906	14.02	0.0002
NOW	0.04162	0.02712	70.56019	2.36	0.1262
TEL	-1.76436	0.21891	1945.51987	64.96	<.0001
TER	0.27396	0.10688	196.79275	6.57	0.0110
TXN	-0.57815	0.17148	340.44417	11.37	0.0009
VRSN	-0.55938	0.08659	1249.95427	41.73	<.0001
V	0.18759	0.10292	99.50958	3.32	0.0697
ZBRA	-0.18031	0.04799	422.74896	14.11	0.0002

Bounds on condition number: 116.48, 27621

Stepwise Selection: Step 40

Variable CRM Entered: R-Square = 0.9933 and C(p) = 21.9471

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	983920	35140	1187.29	<.0001
Error	224	6629.66968	29.59674		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	26.07339	27.35275	26.89284	0.91	0.3415
ACN	0.54939	0.08238	1316.36823	44.48	<.0001
ADBE	-0.10188	0.03396	266.30077	9.00	0.0030
APH	3.28943	0.64364	773.03774	26.12	<.0001
AAPL	0.44443	0.15248	251.43414	8.50	0.0039
ANET	0.83961	0.13750	1103.58379	37.29	<.0001
CDNS	0.66440	0.15105	572.60781	19.35	<.0001
CDW	-0.47498	0.14785	305.43986	10.32	0.0015
DXC	0.62181	0.36359	86.56294	2.92	0.0886
HPE	-4.14525	0.98164	527.76454	17.83	<.0001
KLAC	-0.14679	0.04911	264.47564	8.94	0.0031
MCHP	3.24971	0.30751	3305.36485	111.68	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
MU	0.32477	0.15516	129.66200	4.38	0.0375
MPWR	-0.10665	0.03143	340.76051	11.51	0.0008
NLOK	1.74425	0.38099	620.33185	20.96	<.0001
NVDA	-0.08813	0.06454	55.19923	1.87	0.1734
ORCL	0.59938	0.17845	333.88575	11.28	0.0009
PAYX	0.93374	0.22351	516.51600	17.45	<.0001
PYPL	-0.18794	0.04275	572.11220	19.33	<.0001
QRVO	0.57517	0.09878	1003.49701	33.91	<.0001
QCOM	0.43873	0.11918	401.10216	13.55	0.0003
CRM	-0.14327	0.07457	109.25412	3.69	0.0560
NOW	0.07834	0.03304	166.35791	5.62	0.0186
TEL	-1.74573	0.21783	1900.87886	64.23	<.0001
TER	0.29736	0.10694	228.83917	7.73	0.0059
TXN	-0.56774	0.17055	327.95736	11.08	0.0010
VRSN	-0.57032	0.08626	1293.68626	43.71	<.0001
V	0.21143	0.10306	124.57623	4.21	0.0414
ZBRA	-0.17171	0.04792	380.02677	12.84	0.0004

Bounds on condition number: 119.61, 31395

Stepwise Selection: Step 41

Variable NVDA Removed: R-Square = 0.9933 and C(p) = 21.7534

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983865	36439	1226.48	<.0001
Error	225	6684.86891	29.71053		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	42.29131	24.68767	87.18716	2.93	0.0881
ACN	0.56434	0.08181	1413.92530	47.59	<.0001
ADBE	-0.11495	0.03265	368.28506	12.40	0.0005
APH	3.27598	0.64480	766.90658	25.81	<.0001
AAPL	0.37714	0.14458	202.17111	6.80	0.0097
ANET	0.78657	0.13215	1052.53154	35.43	<.0001
CDNS	0.69638	0.14951	644.56381	21.69	<.0001
CDW	-0.45979	0.14772	287.84405	9.69	0.0021
DXC	0.56198	0.36164	71.74756	2.41	0.1216
HPE	-4.28110	0.97846	568.76477	19.14	<.0001
KLAC	-0.14407	0.04916	255.18615	8.59	0.0037
MCHP	3.20601	0.30643	3252.28136	109.47	<.0001
MU	0.29681	0.15410	110.21911	3.71	0.0554
MPWR	-0.13162	0.02561	784.55035	26.41	<.0001
NLOK	1.67654	0.37848	582.97687	19.62	<.0001
ORCL	0.62911	0.17746	373.38393	12.57	0.0005
PAYX	0.89436	0.22207	481.88690	16.22	<.0001
PYPL	-0.19065	0.04278	590.02690	19.86	<.0001
QRVO	0.63264	0.08954	1483.19957	49.92	<.0001
QCOM	0.41199	0.11778	363.51095	12.24	0.0006
CRM	-0.17500	0.07099	180.51782	6.08	0.0145
NOW	0.08285	0.03294	187.96102	6.33	0.0126
TEL	-1.68431	0.21355	1848.26223	62.21	<.0001
TER	0.27885	0.10628	204.52122	6.88	0.0093
TXN	-0.57422	0.17081	335.75265	11.30	0.0009
VRSN	-0.60904	0.08163	1653.97648	55.67	<.0001
V	0.23891	0.10127	165.36170	5.57	0.0192
ZBRA	-0.17825	0.04777	413.69150	13.92	0.0002

Bounds on condition number: 119.58, 26420

Stepwise Selection: Step 42

Variable NTAP Entered: R-Square = 0.9934 and C(p) = 20.0875

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	983977	35142	1197.63	<.0001
Error	224	6572.84102	29.34304		
Corrected Total	252	990550			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	38.06281	24.62977	70.07872	2.39	0.1237
ACN	0.58455	0.08195	1492.85181	50.88	<.0001
ADBE	-0.10883	0.03260	327.07288	11.15	0.0010

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
APH	3.58094	0.65953	865.01964	29.48	<.0001
AAPL	0.43368	0.14657	256.90955	8.76	0.0034
ANET	0.78240	0.13135	1041.13313	35.48	<.0001
CDNS	0.58434	0.15926	395.01918	13.46	0.0003
CDW	-0.43636	0.14729	257.53862	8.78	0.0034
DXC	0.73544	0.37020	115.80923	3.95	0.0482
HPE	-3.78875	1.00451	417.43586	14.23	0.0002
KLAC	-0.11810	0.05063	159.66076	5.44	0.0206
MCHP	3.32564	0.31062	3363.56182	114.63	<.0001
MU	0.30133	0.15316	113.57183	3.87	0.0504
MPWR	-0.12649	0.02559	717.00071	24.44	<.0001
NTAP	-0.40613	0.20785	112.02788	3.82	0.0520
NLOK	1.78598	0.38028	647.21956	22.06	<.0001
ORCL	0.66653	0.17740	414.23824	14.12	0.0002
PAYX	0.84649	0.22205	426.43466	14.53	0.0002
PYPL	-0.15283	0.04672	314.03639	10.70	0.0012
QRVO	0.56011	0.09642	990.27146	33.75	<.0001
QCOM	0.34562	0.12188	235.95532	8.04	0.0050
CRM	-0.18340	0.07069	197.54208	6.73	0.0101
NOW	0.09537	0.03336	239.86197	8.17	0.0046
TEL	-1.68265	0.21222	1844.59552	62.86	<.0001
TER	0.26820	0.10576	188.70331	6.43	0.0119
TXN	-0.55100	0.17017	307.63921	10.48	0.0014
VRSN	-0.58042	0.08243	1454.71077	49.58	<.0001
V	0.17573	0.10571	81.09590	2.76	0.0978
ZBRA	-0.20066	0.04884	495.31755	16.88	<.0001

Bounds on condition number: 126.68, 29295

All variables left in the model are significant at the 0.1500 level.

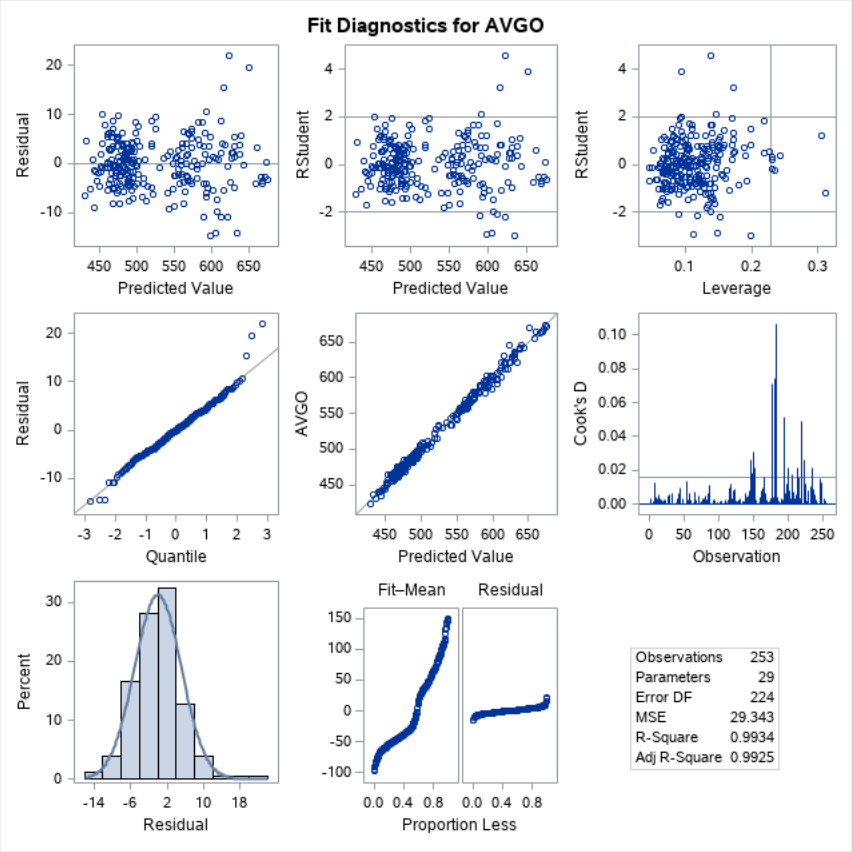
No other variable met the 0.1500 significance level for entry into the model.

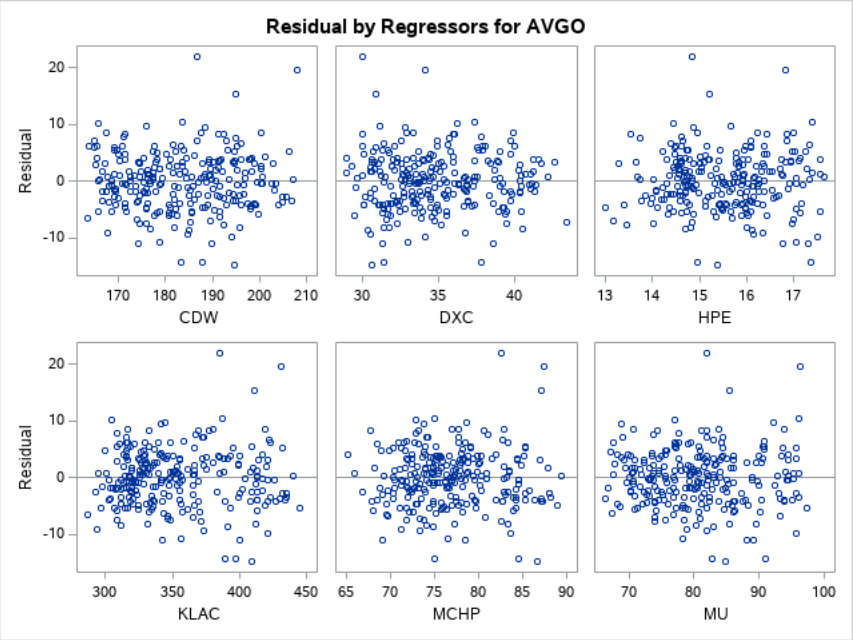
Summary of Stepwise Selection

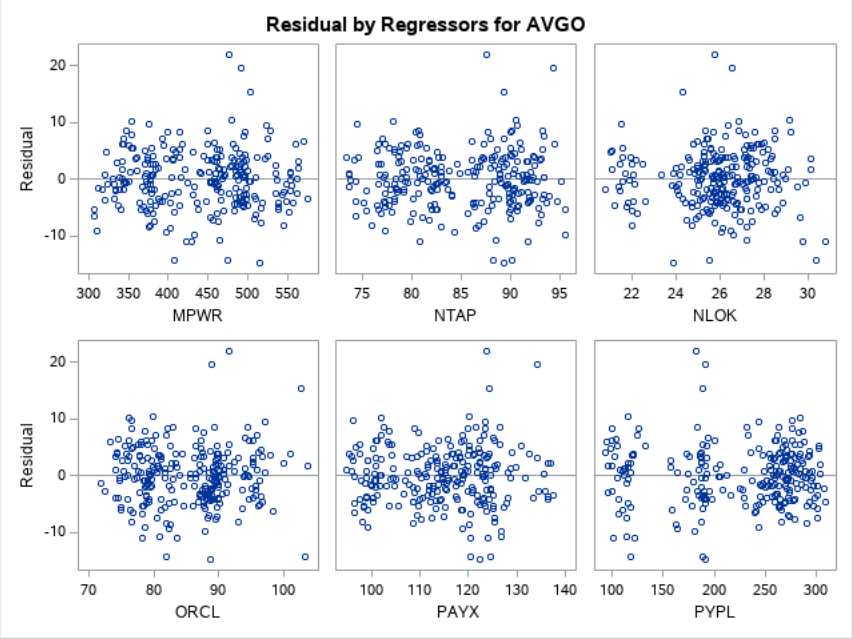
Step	Variable Entered	Variable Removed	Label	Number Vars In	Partial R-Square	Model R-Square	C(p)	F Value	Pr > F
1	ANET		ANET	1	0.8966	0.8966	3102.68	2176.45	<.0001
2	CTSH		CTSH	2	0.0397	0.9363	1816.52	156.06	<.0001
3	AAPL		AAPL	3	0.0123	0.9486	1421.19	59.38	<.0001
4	MCHP		MCHP	4	0.0082	0.9568	1155.98	47.37	<.0001
5	CDW		CDW	5	0.0087	0.9656	874.792	62.69	<.0001
6	CSCO		CSCO	6	0.0061	0.9717	677.834	53.38	<.0001
7	PAYX		PAYX	7	0.0029	0.9746	584.850	28.32	<.0001
8	TEL		TEL	8	0.0023	0.9769	513.245	24.00	<.0001
9	MU		MU	9	0.0021	0.9790	447.349	24.25	<.0001
10	APH		APH	10	0.0041	0.9831	317.879	57.96	<.0001
11	NVDA		NVDA	11	0.0016	0.9847	267.713	25.31	<.0001
12	TXN		TXN	12	0.0011	0.9857	235.570	17.71	<.0001
13		CTSH	CTSH	11	0.0001	0.9857	235.930	1.22	0.2696
14	QRVO		QRVO	12	0.0018	0.9874	180.069	34.11	<.0001
15		CSCO	CSCO	11	0.0000	0.9874	179.018	0.56	0.4550
16	WDC		WDC	12	0.0004	0.9878	167.597	8.16	0.0047
17	NLOK		NLOK	13	0.0007	0.9885	148.361	13.59	0.0003
18	ACN		ACN	14	0.0007	0.9892	127.253	15.70	<.0001
19	PYPL		PYPL	15	0.0007	0.9899	107.184	15.94	<.0001
20	VRSN		VRSN	16	0.0002	0.9901	101.332	5.79	0.0169
21	NTAP		NTAP	17	0.0004	0.9906	89.2758	10.78	0.0012
22	MSFT		MSFT	18	0.0005	0.9910	75.9479	12.33	0.0005
23	ORCL		ORCL	19	0.0003	0.9913	67.6458	8.55	0.0038
24	ZBRA		ZBRA	20	0.0002	0.9916	61.6825	6.78	0.0098
25	QCOM		QCOM	21	0.0002	0.9918	56.6279	6.13	0.0140
26	SNPS		SNPS	22	0.0002	0.9920	52.9168	5.05	0.0255
27	DXC		DXC	23	0.0002	0.9921	49.7306	4.66	0.0319
28	TER		TER	24	0.0003	0.9924	42.9785	8.11	0.0048
29	KLAC		KLAC	25	0.0002	0.9926	39.1528	5.51	0.0198
30	MPWR		MPWR	26	0.0001	0.9927	37.1262	3.85	0.0509
31	CDNS		CDNS	27	0.0001	0.9928	34.9813	4.02	0.0462
32		SNPS	SNPS	26	0.0001	0.9928	34.8070	1.77	0.1846
33	HPE		HPE	27	0.0002	0.9930	31.3086	5.42	0.0208
34	ADBE		ADBE	28	0.0002	0.9931	28.4443	4.88	0.0282
35		MSFT	MSFT	27	0.0000	0.9931	26.4931	0.05	0.8252
36	V		V	28	0.0001	0.9932	25.4388	3.10	0.0795
37		NTAP	NTAP	27	0.0000	0.9932	24.7104	1.29	0.2569
38		WDC	WDC	26	0.0000	0.9931	23.8313	1.14	0.2873
39	NOW		NOW	27	0.0001	0.9932	23.5223	2.36	0.1262
40	CRM		CRM	28	0.0001	0.9933	21.9471	3.69	0.0560
41		NVDA	NVDA	27	0.0001	0.9933	21.7534	1.87	0.1734

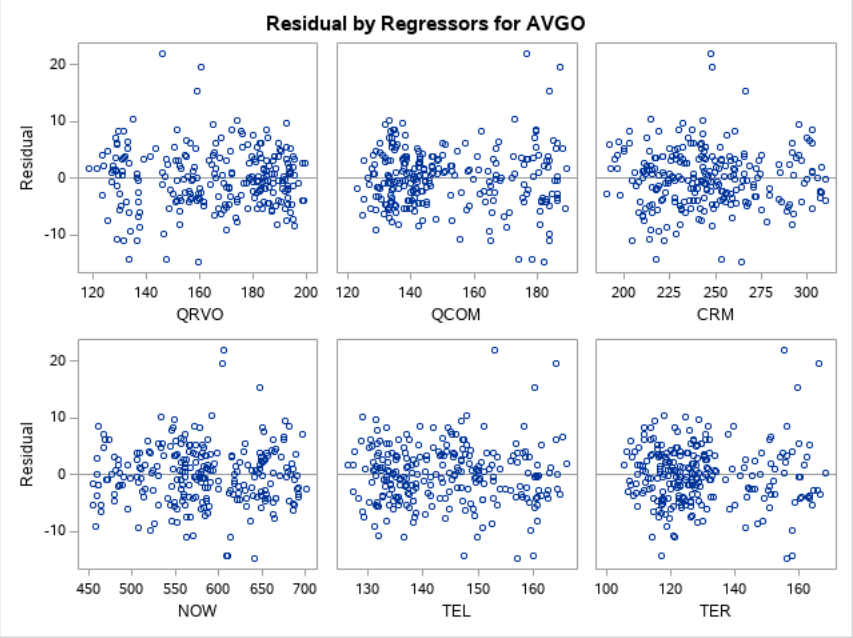
Summary of Stepwise Selection									
Step	Variable Entered	Variable Removed	Label	Number Vars In	Partial R-Square	Model R-Square	C(p)	F Value	Pr > F
42	NTAP		NTAP	28	0.0001	0.9934	20.0875	3.82	0.0520

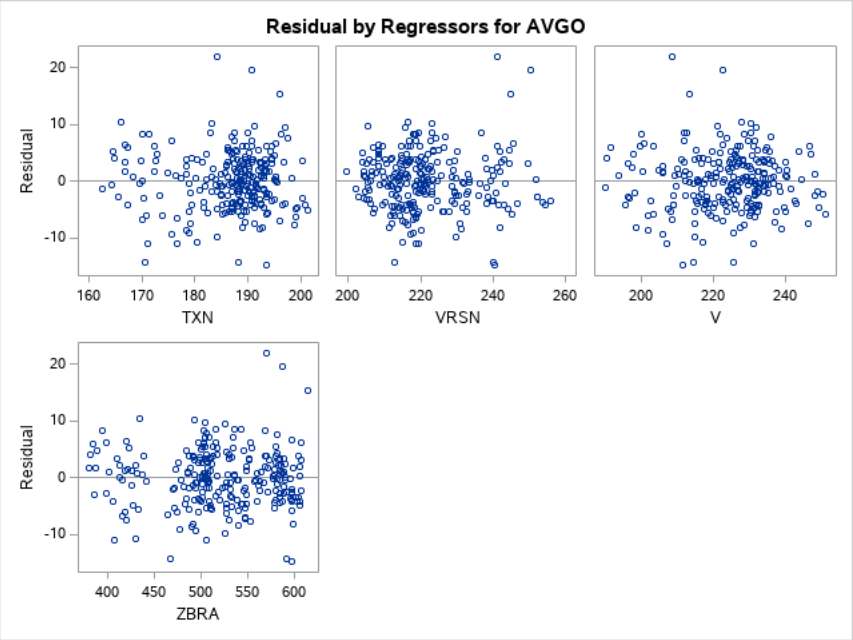
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
KLAC
MCHP
MU


Residual by Regressors for AVGO
Residual
MPWR
NTAP
NLOK
ORCL
PAYX
PYPL


Residual by Regressors for AVGO
Residual
QRVO
QCOM
CRM
NOW
TEL
TER



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	983977	35142	1197.63	<.0001
Error	224	6572.84102	29.34304		
Corrected Total	252	990550			

Root MSE	5.41692	R-Square	0.9934
Dependent Mean	526.14447	Adj R-Sq	0.9925
Coeff Var	1.02955		

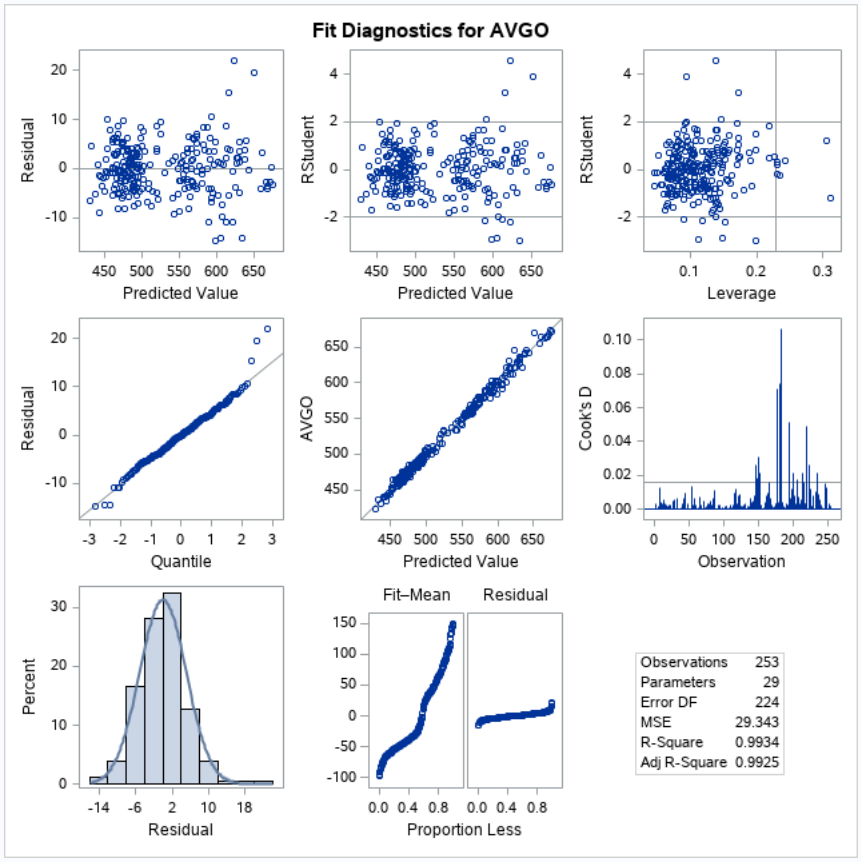
Parameter Estimates

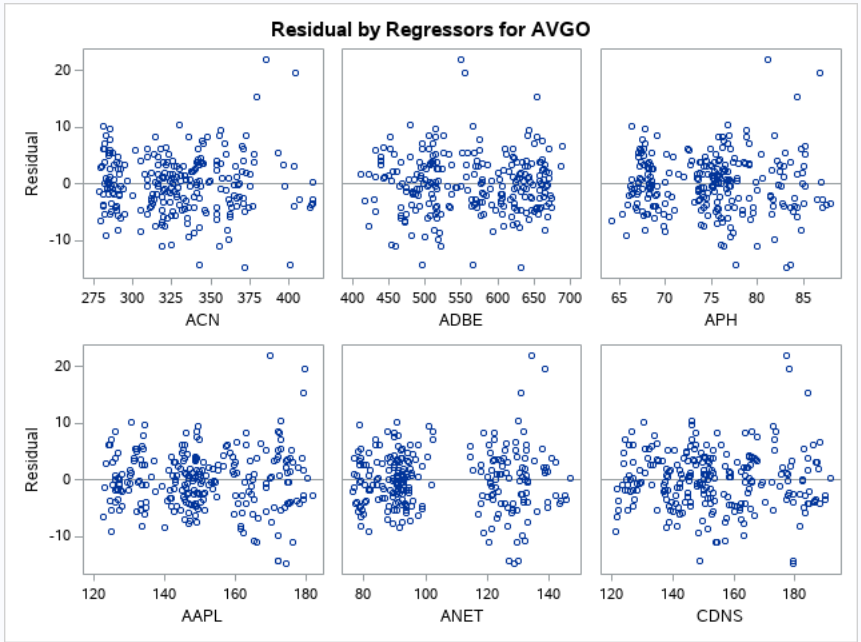
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	38.06281	24.62977	1.55	0.1237	0
ACN	ACN	1	0.58455	0.08195	7.13	<.0001	64.54389
ADBE	ADBE	1	-0.10883	0.03260	-3.34	0.0010	50.23232
APH	APH	1	3.58094	0.65953	5.43	<.0001	126.67686
AAPL	AAPL	1	0.43368	0.14657	2.96	0.0034	48.58953
ANET	ANET	1	0.78240	0.13135	5.96	<.0001	63.69759
CDNS	CDNS	1	0.58434	0.15926	3.67	0.0003	71.63312
CDW	CDW	1	-0.43636	0.14729	-2.96	0.0034	22.98112
DXC	DXC	1	0.73544	0.37020	1.99	0.0482	13.20058
HPE	HPE	1	-3.78875	1.00451	-3.77	0.0002	8.96534
KLAC	KLAC	1	-0.11810	0.05063	-2.33	0.0206	33.37235
MCHP	MCHP	1	3.32564	0.31062	10.71	<.0001	22.13671
MU	MU	1	0.30133	0.15316	1.97	0.0504	11.90389
MPWR	MPWR	1	-0.12649	0.02559	-4.94	<.0001	26.63278
NTAP	NTAP	1	-0.40613	0.20785	-1.95	0.0520	12.97523
NLOK	NLOK	1	1.78598	0.38028	4.70	<.0001	4.79354
ORCL	ORCL	1	0.66653	0.17740	3.76	0.0002	13.13869
PAYX	PAYX	1	0.84649	0.22205	3.81	0.0002	45.00597
PYPL	PYPL	1	-0.15283	0.04672	-3.27	0.0012	73.73757
QRVO	QRVO	1	0.56011	0.09642	5.81	<.0001	39.76556
QCOM	QCOM	1	0.34562	0.12188	2.84	0.0050	46.76932
CRM	CRM	1	-0.18340	0.07069	-2.59	0.0101	35.10916
NOW	NOW	1	0.09537	0.03336	2.86	0.0046	40.06596
TEL	TEL	1	-1.68265	0.21222	-7.93	<.0001	41.21239
TER	TER	1	0.26820	0.10576	2.54	0.0119	23.20686
TXN	TXN	1	-0.55100	0.17017	-3.24	0.0014	16.01220
VRSN	VRSN	1	-0.58042	0.08243	-7.04	<.0001	8.59666
V	V	1	0.17573	0.10571	1.66	0.0978	14.46934

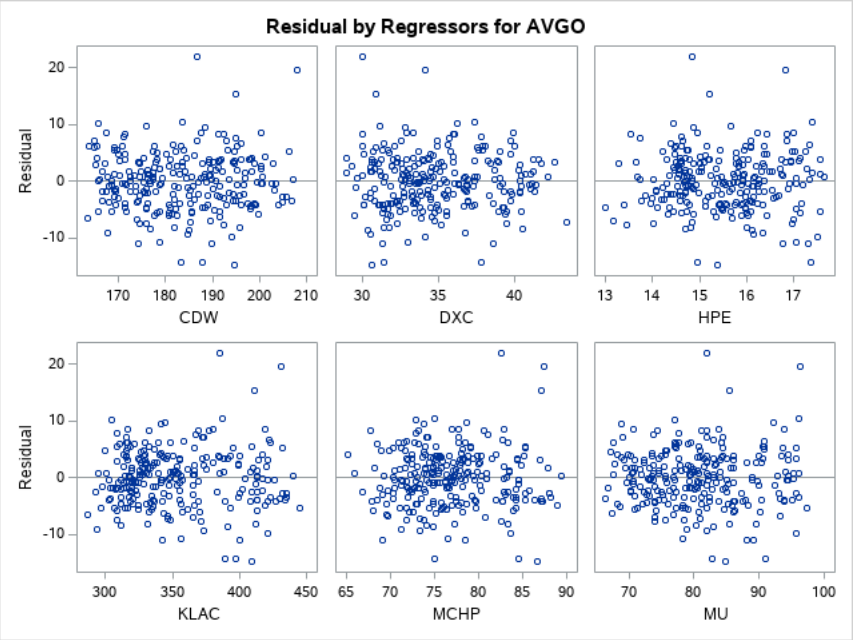
Parameter Estimates

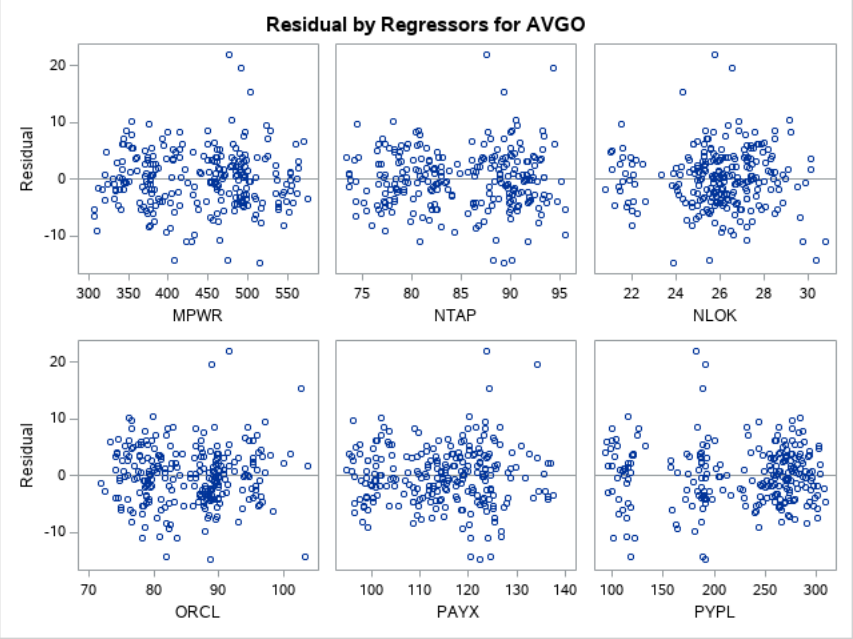
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
ZBRA	ZBRA	1	-0.20066	0.04884	-4.11	<.0001	66.81360

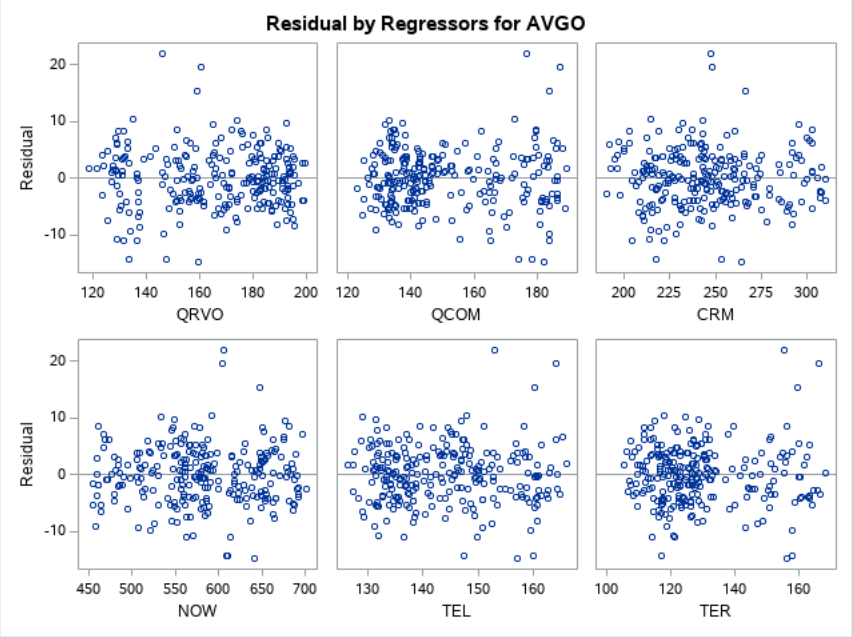
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

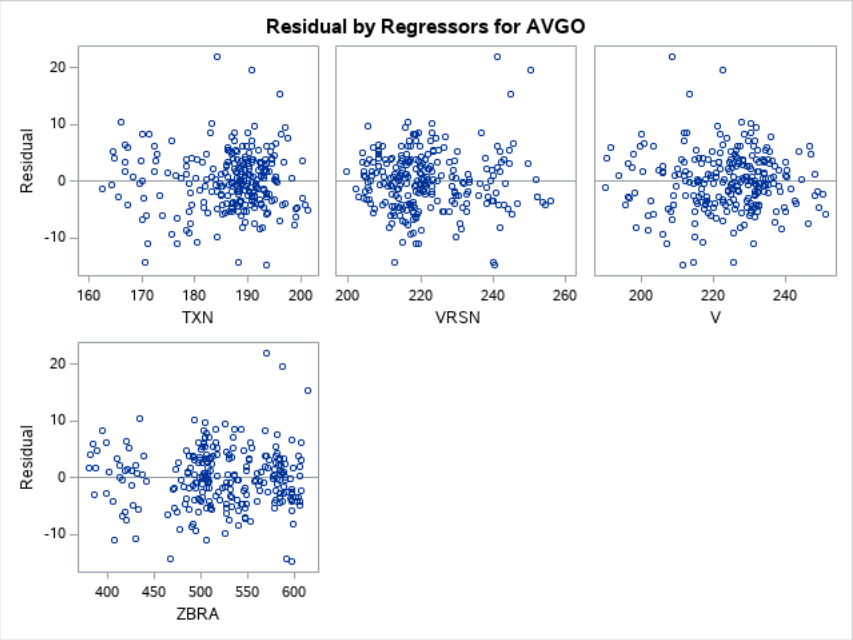





Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
KLAC
MCHP
MU


Residual by Regressors for AVGO
Residual
MPWR
NTAP
NLOK
ORCL
PAYX
PYPL


Residual by Regressors for AVGO
Residual
QRVO
QCOM
CRM
NOW
TEL
TER



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

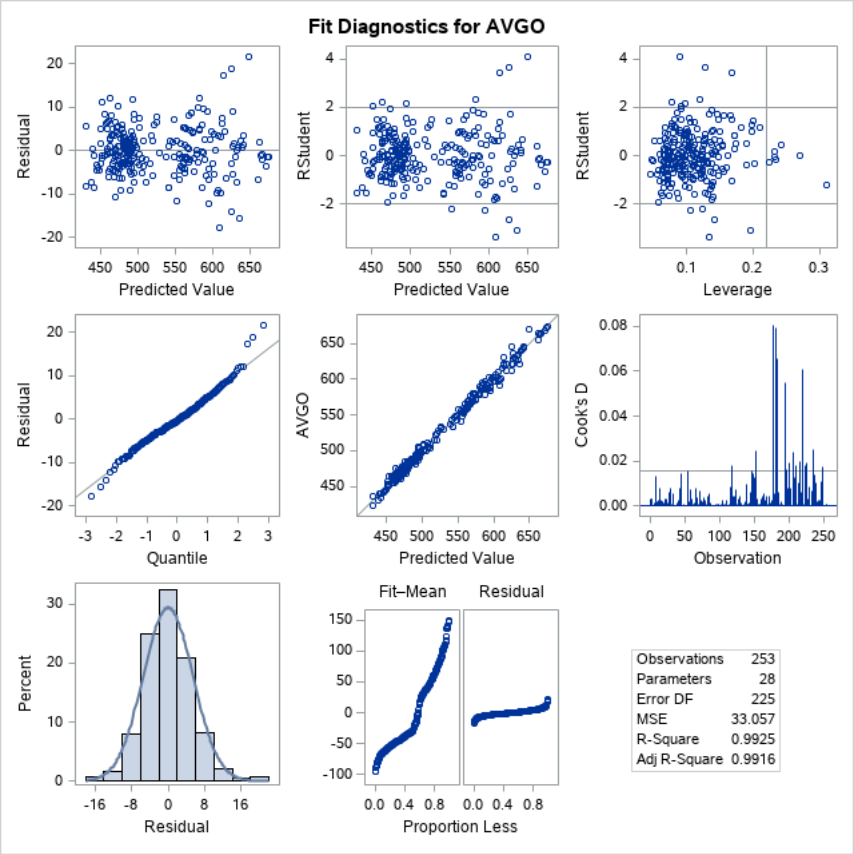
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	27	983112	36412	1101.47	<.0001
Error	225	7437.86066	33.05716		
Corrected Total	252	990550			

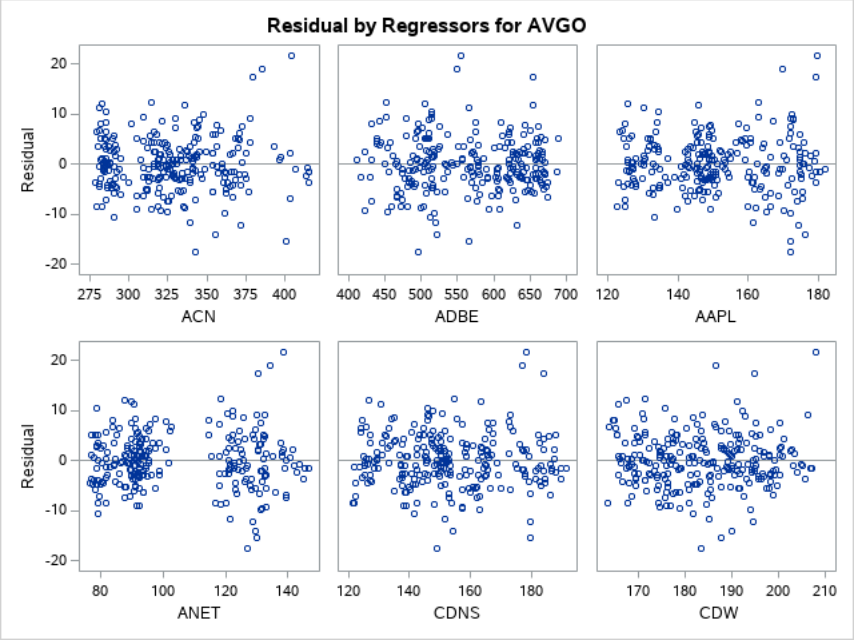
Root MSE	5.74954	R-Square	0.9925
Dependent Mean	526.14447	Adj R-Sq	0.9916
Coeff Var	1.09277		

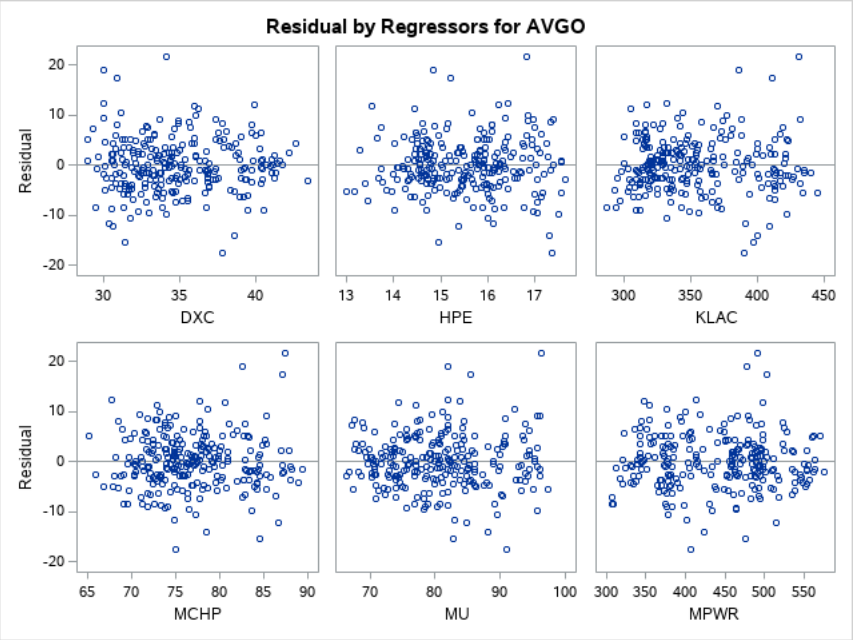
Parameter Estimates

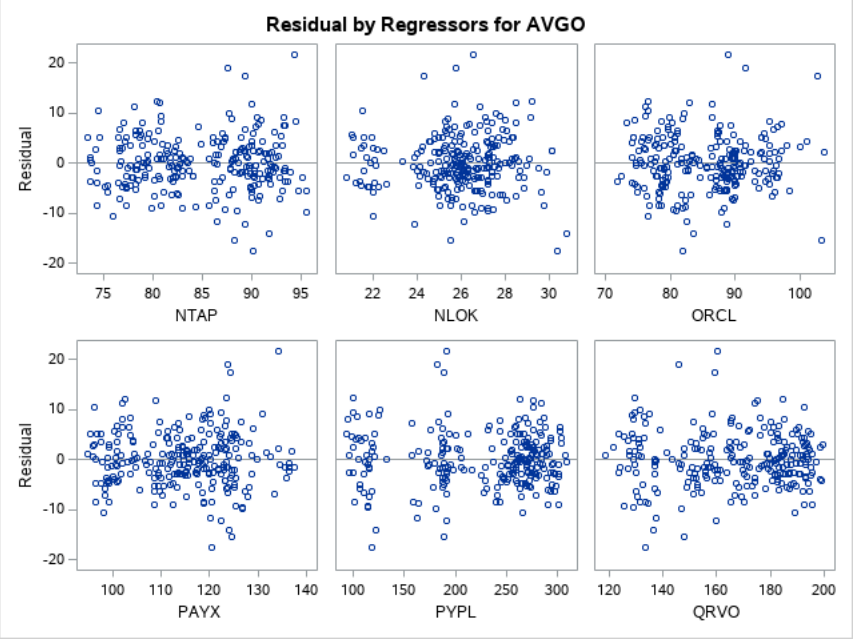
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	41.37227	26.13410	1.58	0.1148	0
ACN	ACN	1	0.73024	0.08219	8.88	<.0001	57.62484
ADBE	ADBE	1	-0.13706	0.03416	-4.01	<.0001	48.95420
AAPL	AAPL	1	0.31962	0.15396	2.08	0.0390	47.59140
ANET	ANET	1	0.86685	0.13843	6.26	<.0001	62.80453
CDNS	CDNS	1	0.78331	0.16451	4.76	<.0001	67.84055
CDW	CDW	1	-0.17036	0.14743	-1.16	0.2491	20.43857
DXC	DXC	1	0.39445	0.38723	1.02	0.3095	12.82065
HPE	HPE	1	-5.72675	0.99661	-5.75	<.0001	7.83333
KLAC	KLAC	1	-0.14183	0.05354	-2.65	0.0086	33.12374
MCHP	MCHP	1	3.43011	0.32906	10.42	<.0001	22.05177
MU	MU	1	0.35123	0.16228	2.16	0.0315	11.86102
MPWR	MPWR	1	-0.15466	0.02660	-5.81	<.0001	25.53844
NTAP	NTAP	1	-0.13907	0.21435	-0.65	0.5171	12.24861
NLOK	NLOK	1	2.29453	0.39120	5.87	<.0001	4.50274
ORCL	ORCL	1	0.65733	0.18828	3.49	0.0006	13.13749
PAYX	PAYX	1	0.98687	0.23408	4.22	<.0001	44.39584
PYPL	PYPL	1	-0.21832	0.04790	-4.56	<.0001	68.82104
QRVO	QRVO	1	0.54917	0.10231	5.37	<.0001	39.74822
QCOM	QCOM	1	0.56221	0.12224	4.60	<.0001	41.75904
CRM	CRM	1	-0.11263	0.07374	-1.53	0.1281	33.91534
NOW	NOW	1	0.10307	0.03537	2.91	0.0039	39.99362
TEL	TEL	1	-1.01443	0.18351	-5.53	<.0001	27.35279
TER	TER	1	0.12086	0.10850	1.11	0.2665	21.67902
TXN	TXN	1	-0.15946	0.16360	-0.97	0.3308	13.13665
VRSN	VRSN	1	-0.62627	0.08703	-7.20	<.0001	8.50643
V	V	1	0.18035	0.11219	1.61	0.1093	14.46840
ZBRA	ZBRA	1	-0.23518	0.05140	-4.58	<.0001	65.68081

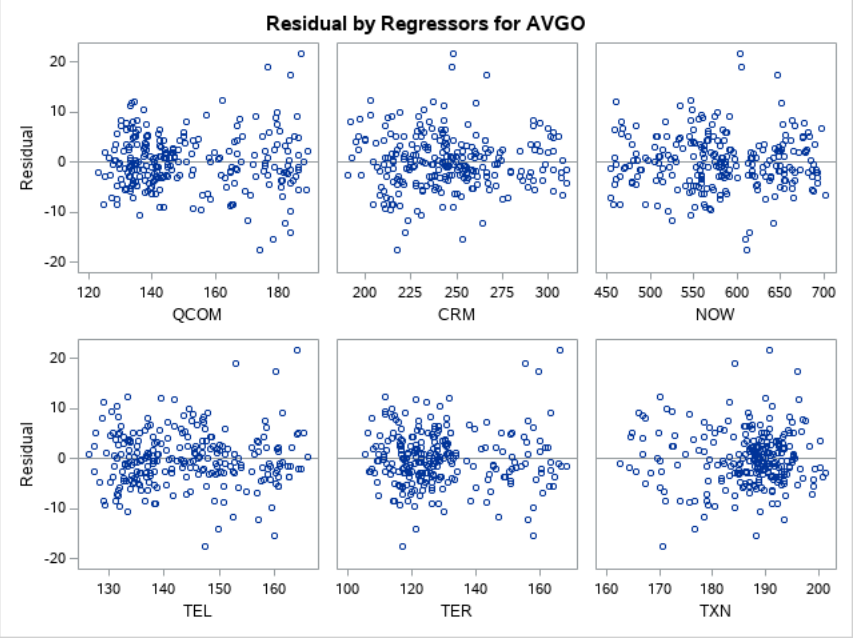
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

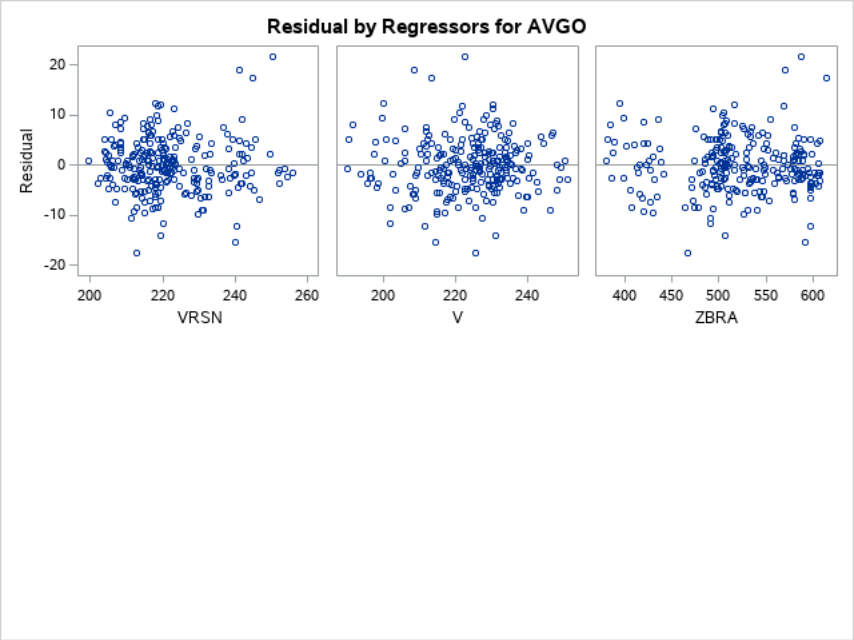





Residual by Regressors for AVGO
Residual
DXC
HPE
KLAC
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NTAP
NLOK
ORCL
PAYX
PYPL
QRVO


Residual by Regressors for AVGO
Residual
QCOM
CRM
NOW
TEL
TER
TXN



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

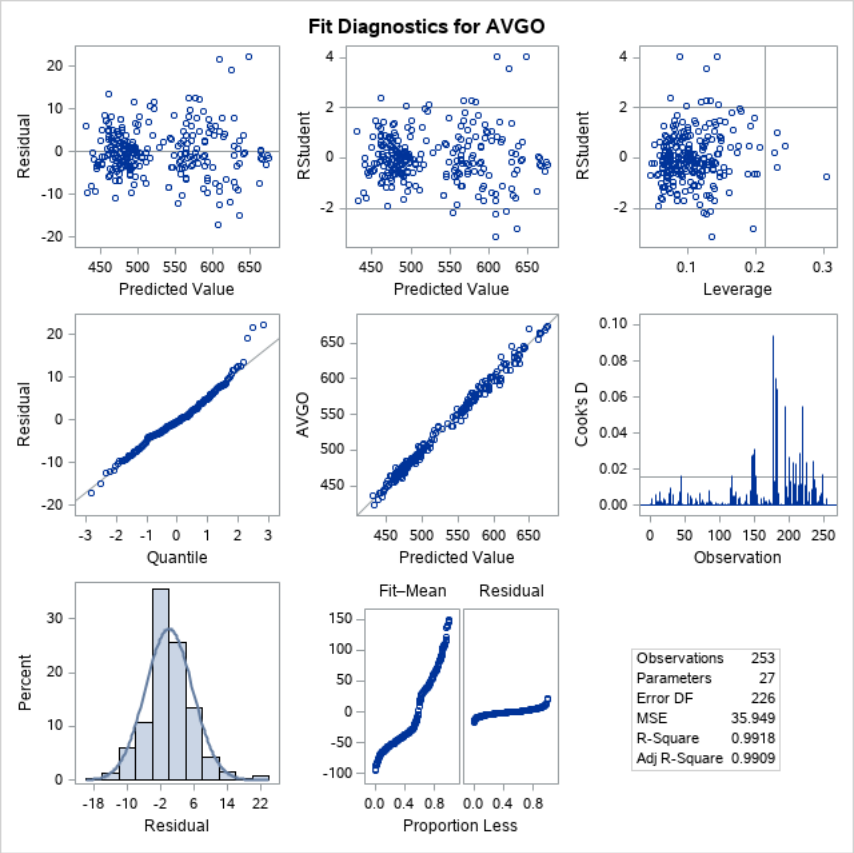
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	26	982425	37786	1051.08	<.0001
Error	226	8124.52168	35.94921		
Corrected Total	252	990550			

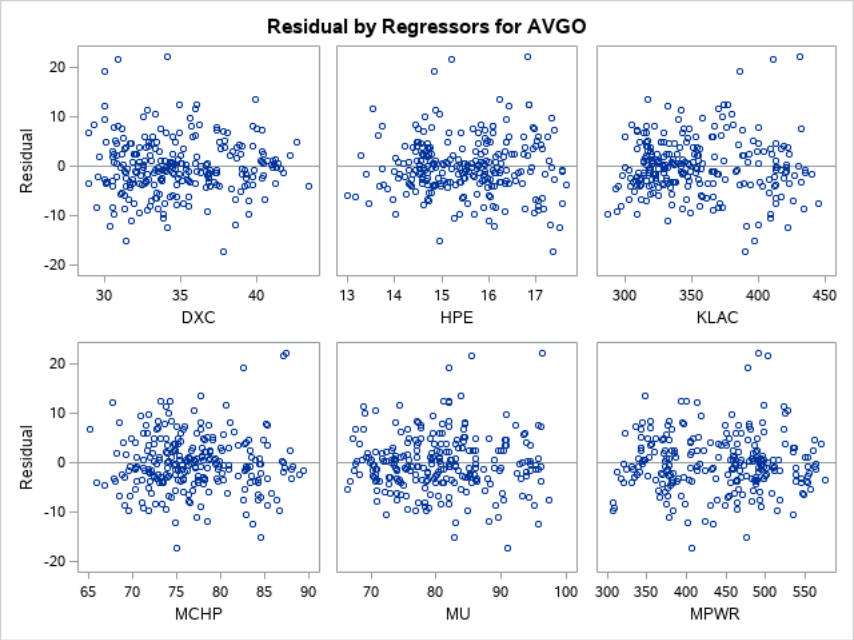
Root MSE	5.99577	R-Square	0.9918
Dependent Mean	526.14447	Adj R-Sq	0.9909
Coeff Var	1.13957		

Parameter Estimates

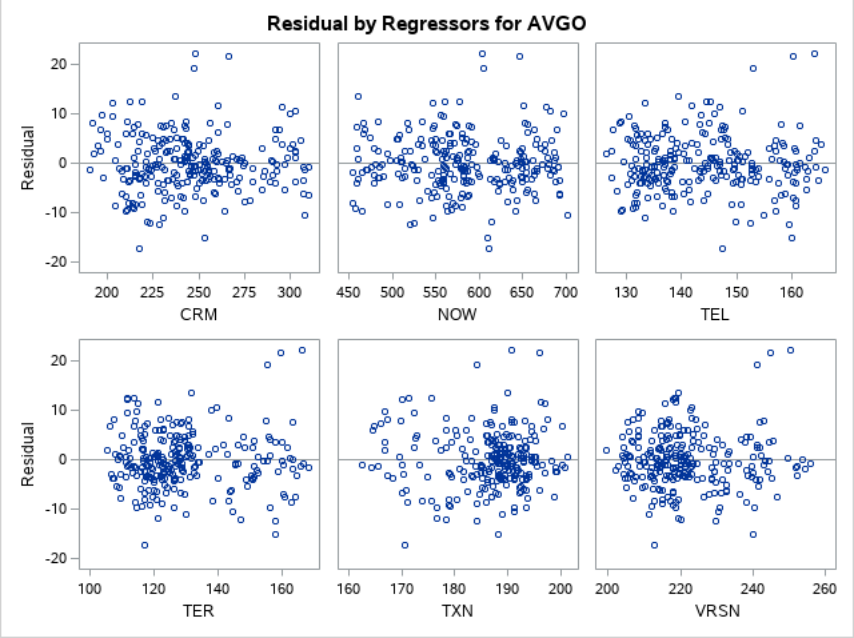
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	59.13410	26.94860	2.19	0.0292	0
ACN	ACN	1	0.78973	0.08462	9.33	<.0001	56.17165
ADBE	ADBE	1	-0.14726	0.03554	-4.14	<.0001	48.74407
AAPL	AAPL	1	0.31855	0.16055	1.98	0.0485	47.59129
ANET	ANET	1	0.95523	0.14294	6.68	<.0001	61.57220
CDNS	CDNS	1	0.67810	0.16985	3.99	<.0001	66.50466
CDW	CDW	1	-0.20870	0.15350	-1.36	0.1753	20.37201
DXC	DXC	1	0.73589	0.39618	1.86	0.0645	12.34078
HPE	HPE	1	-3.77947	0.93894	-4.03	<.0001	6.39361
KLAC	KLAC	1	-0.11398	0.05547	-2.05	0.0410	32.69214
MCHP	MCHP	1	3.62143	0.34035	10.64	<.0001	21.69288
MU	MU	1	0.36777	0.16918	2.17	0.0308	11.85509
MPWR	MPWR	1	-0.12100	0.02665	-4.54	<.0001	23.56935
NTAP	NTAP	1	-0.50674	0.20709	-2.45	0.0152	10.51365
NLOK	NLOK	1	2.22185	0.40761	5.45	<.0001	4.49525
ORCL	ORCL	1	0.77174	0.19459	3.97	<.0001	12.90398
PAYX	PAYX	1	0.95049	0.24396	3.90	0.0001	44.34423
QRVO	QRVO	1	0.35771	0.09729	3.68	0.0003	33.04723
QCOM	QCOM	1	0.74084	0.12074	6.14	<.0001	37.46591
CRM	CRM	1	-0.16282	0.07603	-2.14	0.0333	33.15897
NOW	NOW	1	0.12304	0.03660	3.36	0.0009	39.37942
TEL	TEL	1	-1.05324	0.19116	-5.51	<.0001	27.29390
TER	TER	1	-0.03963	0.10702	-0.37	0.7115	19.39525
TXN	TXN	1	-0.19252	0.17044	-1.13	0.2599	13.11082
VRSN	VRSN	1	-0.58882	0.09036	-6.52	<.0001	8.43060
V	V	1	-0.08132	0.10052	-0.81	0.4193	10.67924
ZBRA	ZBRA	1	-0.29977	0.05152	-5.82	<.0001	60.68686

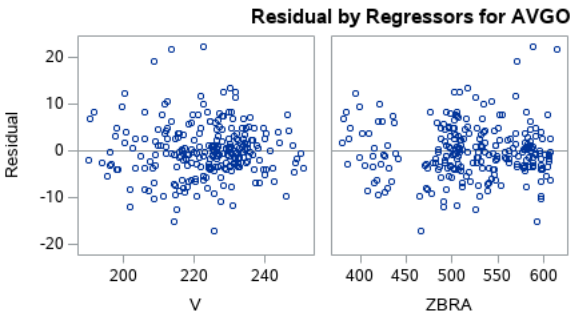
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
DXC
HPE
KLAC
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NTAP
NLOK
ORCL
PAYX
QRVO
QCOM


Residual by Regressors for AVGO
Residual
CRM
NOW
TEL
TER
TXN
VRSN



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

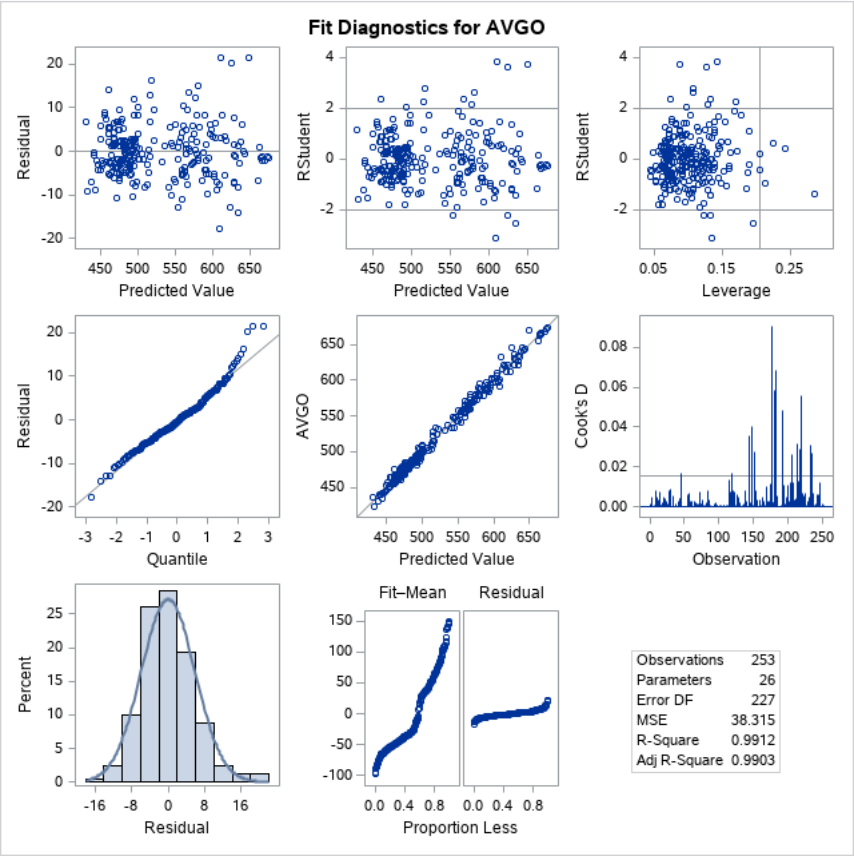
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	25	981852	39274	1025.03	<.0001
Error	227	8697.49119	38.31494		
Corrected Total	252	990550			

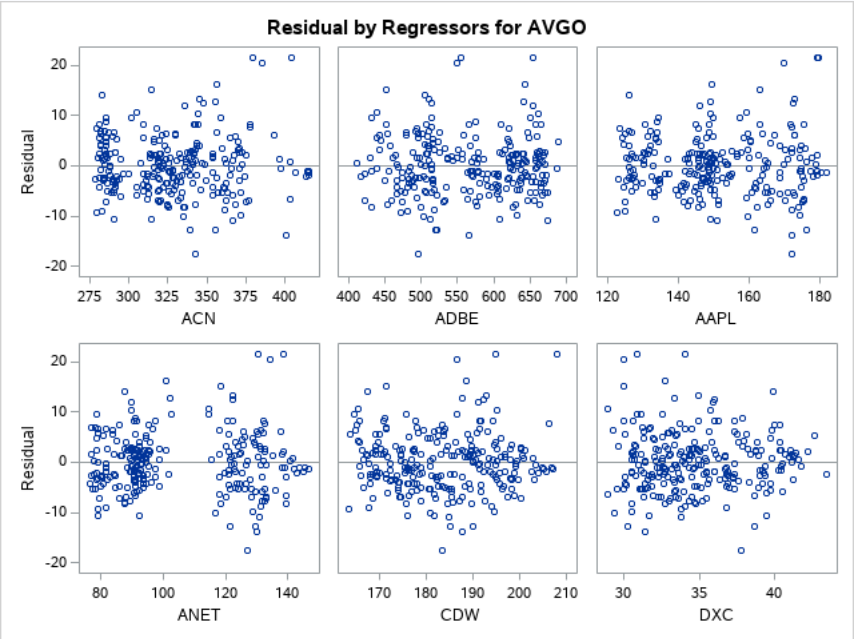
Root MSE	6.18991	R-Square	0.9912
Dependent Mean	526.14447	Adj R-Sq	0.9903
Coeff Var	1.17647		

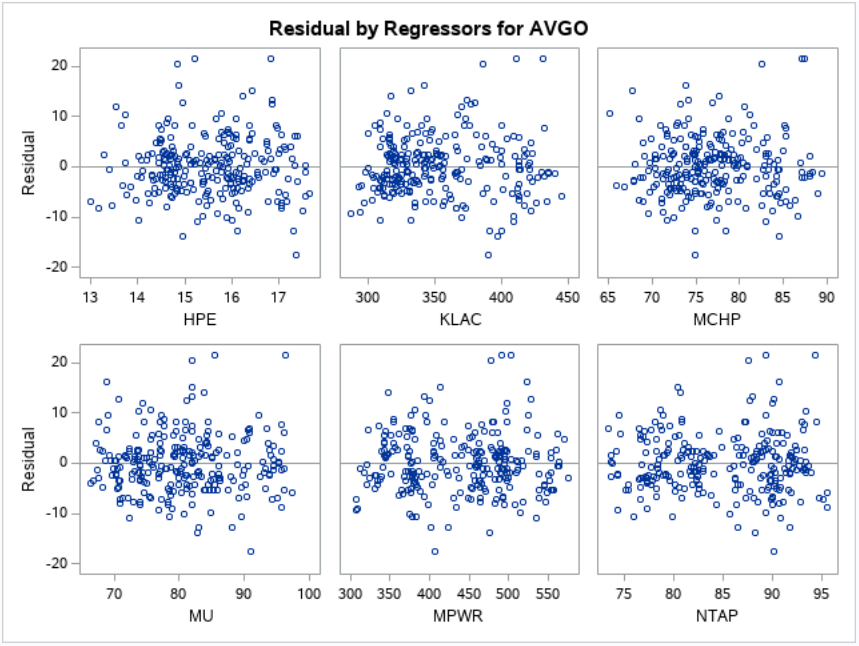
Parameter Estimates

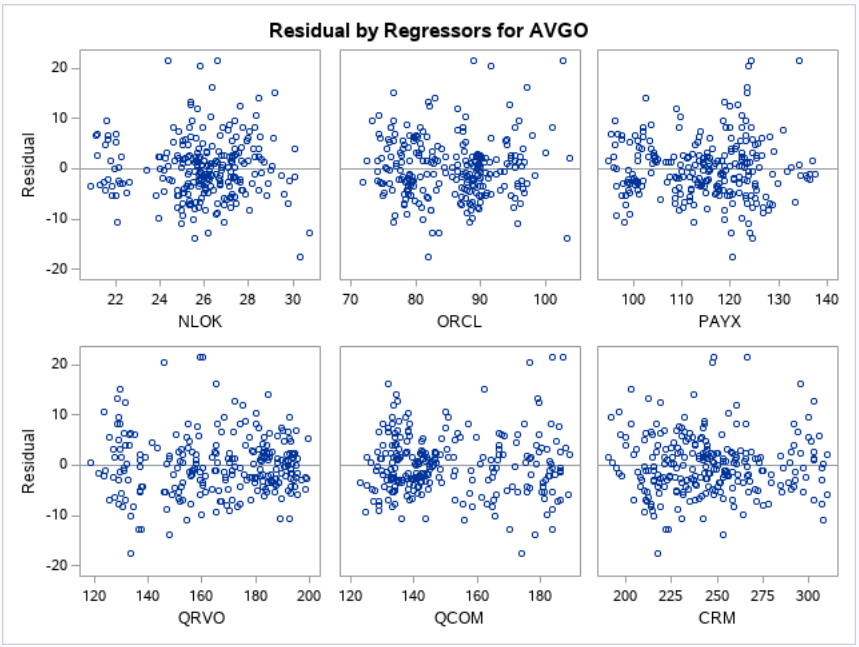
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	64.26640	27.78950	2.31	0.0216	0
ACN	ACN	1	0.82541	0.08687	9.50	<.0001	55.54515
ADBE	ADBE	1	-0.14523	0.03669	-3.96	0.0001	48.73412
AAPL	AAPL	1	0.21173	0.16343	1.30	0.1965	46.26959
ANET	ANET	1	0.94681	0.14755	6.42	<.0001	61.55881
CDW	CDW	1	-0.14175	0.15752	-0.90	0.3691	20.12878
DXC	DXC	1	0.24817	0.38908	0.64	0.5242	11.16738
HPE	HPE	1	-3.83519	0.96923	-3.96	0.0001	6.39220
KLAC	KLAC	1	-0.09841	0.05712	-1.72	0.0863	32.53056
MCHP	MCHP	1	3.91208	0.34324	11.40	<.0001	20.70033
MU	MU	1	0.39634	0.17451	2.27	0.0241	11.83389
MPWR	MPWR	1	-0.08080	0.02547	-3.17	0.0017	20.20423
NTAP	NTAP	1	-0.75043	0.20430	-3.67	0.0003	9.60029
NLOK	NLOK	1	2.50273	0.41449	6.04	<.0001	4.36132
ORCL	ORCL	1	0.94030	0.19611	4.79	<.0001	12.29645
PAYX	PAYX	1	1.31250	0.23382	5.61	<.0001	38.21815
QRVO	QRVO	1	0.38236	0.10023	3.81	0.0002	32.91409
QCOM	QCOM	1	0.78588	0.12411	6.33	<.0001	37.13884
CRM	CRM	1	-0.25434	0.07484	-3.40	0.0008	30.14471
NOW	NOW	1	0.19854	0.03235	6.14	<.0001	28.86897
TEL	TEL	1	-1.19523	0.19391	-6.16	<.0001	26.34915
TER	TER	1	0.00993	0.10974	0.09	0.9280	19.13428
TXN	TXN	1	-0.13099	0.17524	-0.75	0.4555	13.00360
VRSN	VRSN	1	-0.58859	0.09328	-6.31	<.0001	8.43060
V	V	1	-0.20940	0.09834	-2.13	0.0343	9.59134
ZBRA	ZBRA	1	-0.26761	0.05253	-5.09	<.0001	59.20307

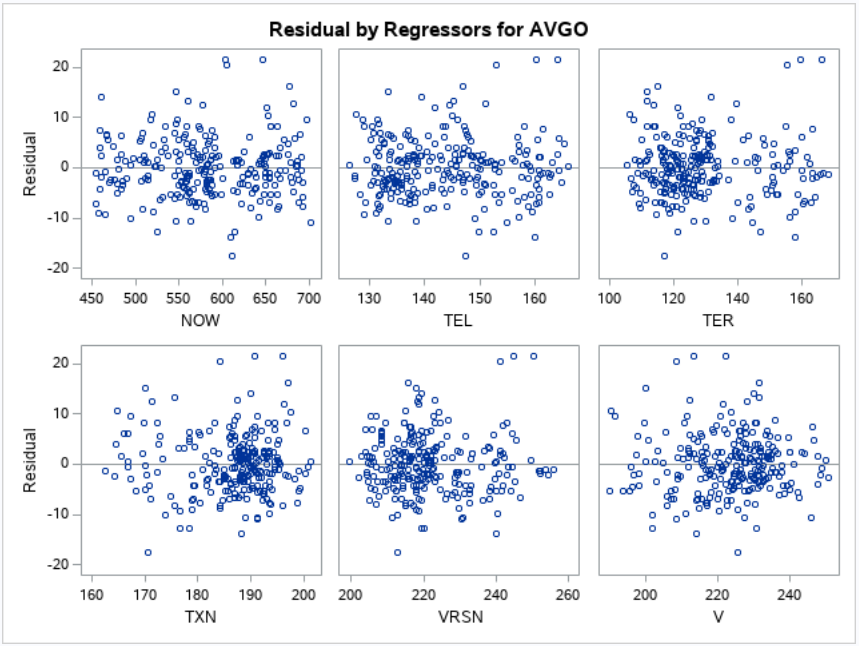
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

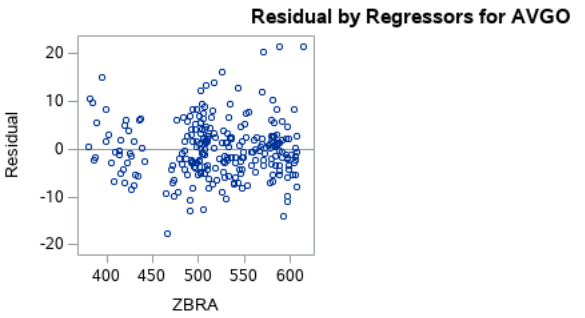





Residual by Regressors for AVGO
Residual
HPE
KLAC
MCHP
MU
MPWR
NTAP


Residual by Regressors for AVGO
Residual
NLOK
ORCL
PAYX
QRVO
QCOM
CRM


Residual by Regressors for AVGO
Residual
NOW
TEL
TER
TXN
VRSN
V



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

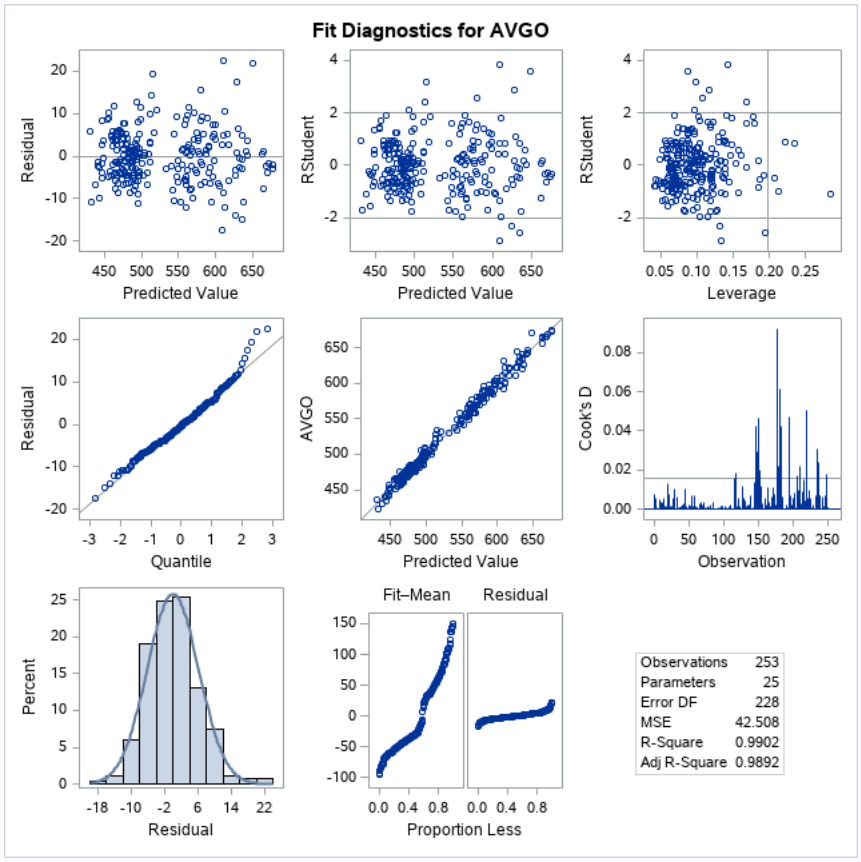
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	24	980858	40869	961.45	<.0001
Error	228	9691.78715	42.50784		
Corrected Total	252	990550			

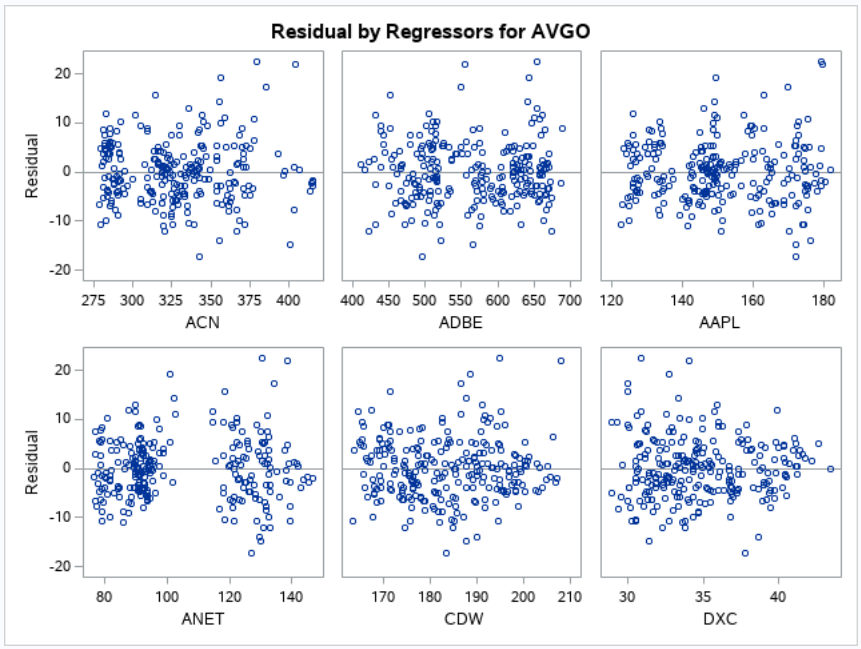
Root MSE	6.51980	R-Square	0.9902
Dependent Mean	526.14447	Adj R-Sq	0.9892
Coeff Var	1.23917		

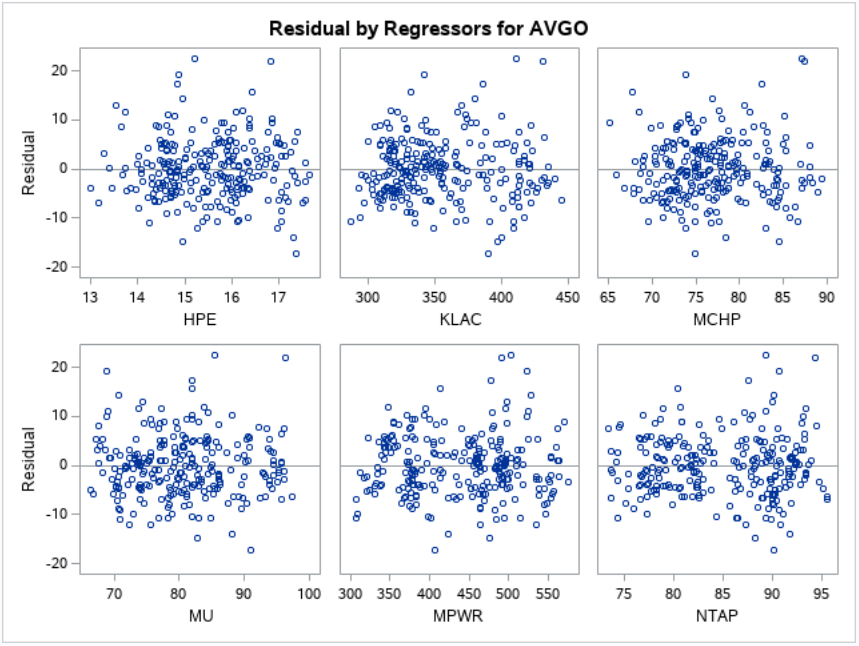
Parameter Estimates

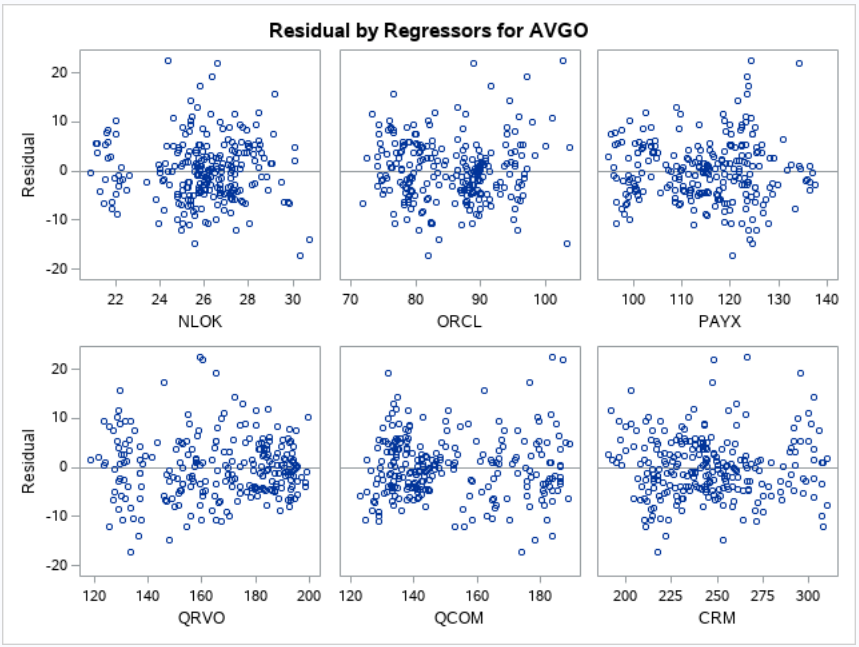
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	107.71958	27.85756	3.87	0.0001	0
ACN	ACN	1	0.62799	0.08190	7.67	<.0001	44.49203
ADBE	ADBE	1	-0.24378	0.03284	-7.42	<.0001	35.18394
AAPL	AAPL	1	0.24862	0.17197	1.45	0.1496	46.17879
ANET	ANET	1	0.73414	0.14907	4.92	<.0001	56.63079
CDW	CDW	1	-0.45115	0.15308	-2.95	0.0035	17.13599
DXC	DXC	1	-0.35033	0.39069	-0.90	0.3708	10.14913
HPE	HPE	1	-3.26370	1.01402	-3.22	0.0015	6.30656
KLAC	KLAC	1	-0.07101	0.05990	-1.19	0.2371	32.24207
MCHP	MCHP	1	3.23670	0.33347	9.71	<.0001	17.61191
MU	MU	1	0.50688	0.18238	2.78	0.0059	11.65090
MPWR	MPWR	1	-0.03606	0.02518	-1.43	0.1535	17.80134
NTAP	NTAP	1	-0.48676	0.20817	-2.34	0.0202	8.98411
NLOK	NLOK	1	2.70905	0.43449	6.23	<.0001	4.31968
ORCL	ORCL	1	0.81483	0.20492	3.98	<.0001	12.10246
PAYX	PAYX	1	1.78954	0.22567	7.93	<.0001	32.08791
QRVO	QRVO	1	0.26480	0.10274	2.58	0.0106	31.16918
QCOM	QCOM	1	0.77399	0.13070	5.92	<.0001	37.12570
CRM	CRM	1	-0.29195	0.07845	-3.72	0.0002	29.85148
NOW	NOW	1	0.23407	0.03328	7.03	<.0001	27.52775
TEL	TEL	1	-1.34564	0.20186	-6.67	<.0001	25.73826
TER	TER	1	0.04154	0.11540	0.36	0.7192	19.07309
TXN	TXN	1	-0.28149	0.18193	-1.55	0.1232	12.63399
VRSN	VRSN	1	-0.60584	0.09819	-6.17	<.0001	8.41949
V	V	1	-0.10113	0.10114	-1.00	0.3184	9.14337

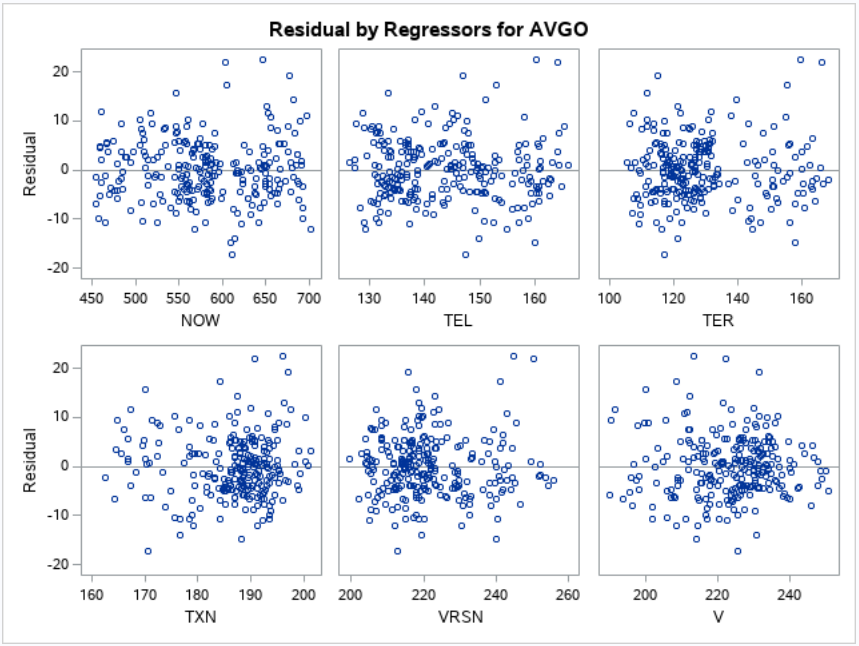
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO






Residual by Regressors for AVGO
Residual
HPE
KLAC
MCHP
MU
MPWR
NTAP


Residual by Regressors for AVGO
Residual
NLOK
ORCL
PAYX
QRVO
QCOM
CRM


Residual by Regressors for AVGO
Residual
NOW
TEL
TER
TXN
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

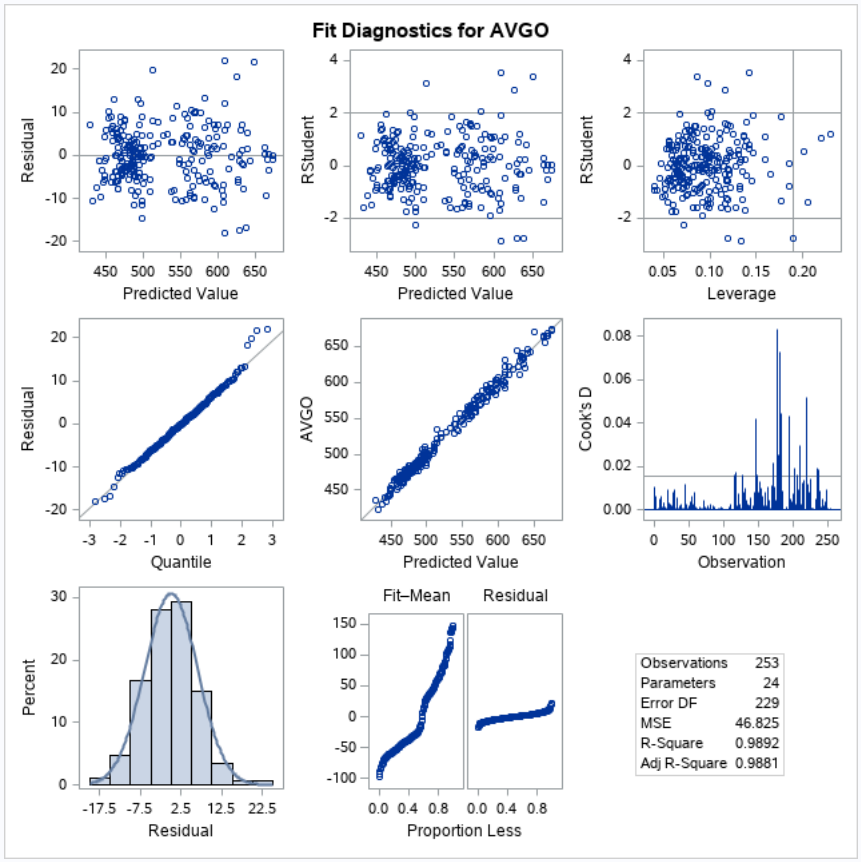
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	23	979827	42601	909.80	<.0001
Error	229	10723	46.82456		
Corrected Total	252	990550			

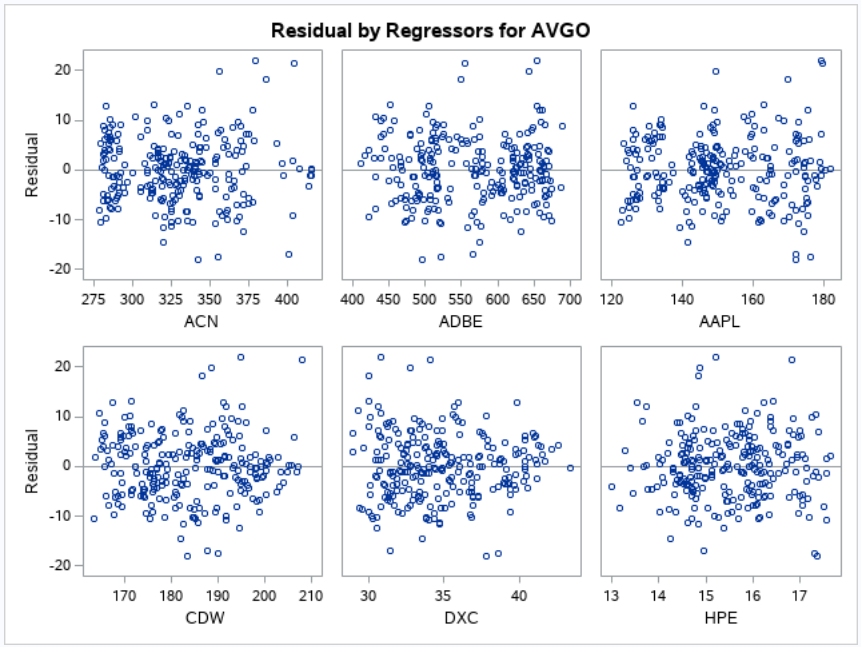
Root MSE	6.84285	R-Square	0.9892
Dependent Mean	526.14447	Adj R-Sq	0.9881
Coeff Var	1.30056		

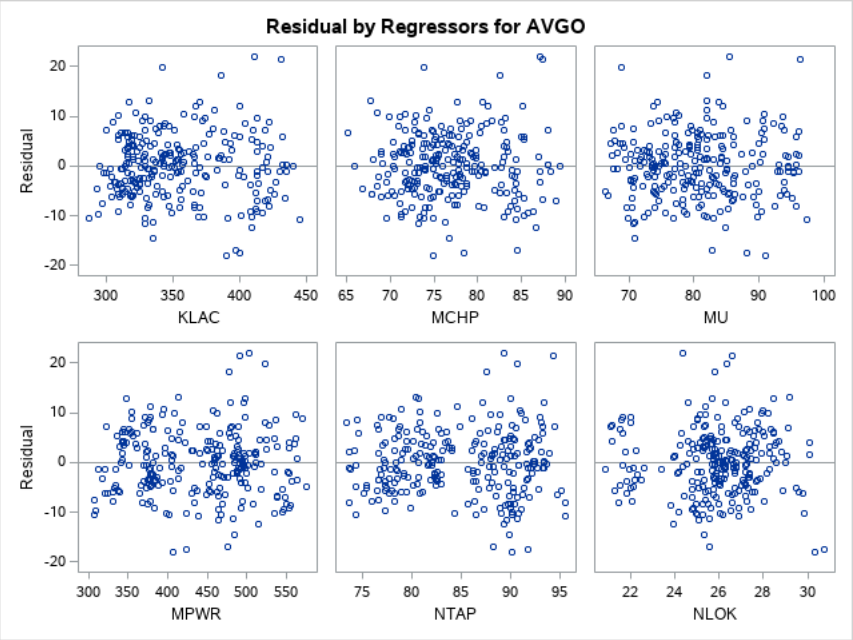
Parameter Estimates

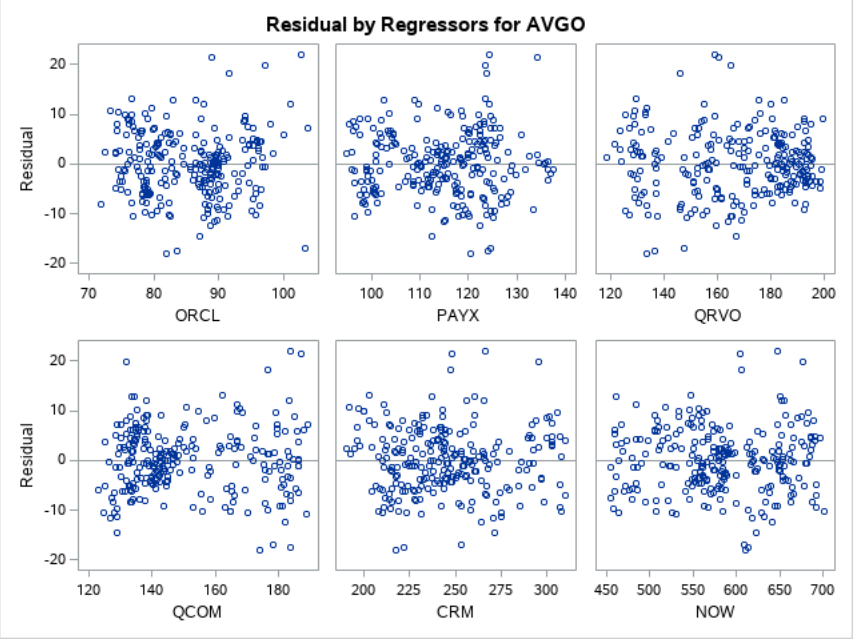
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	111.95663	29.22390	3.83	0.0002	0
ACN	ACN	1	0.63182	0.08595	7.35	<.0001	44.48802
ADBE	ADBE	1	-0.24596	0.03446	-7.14	<.0001	35.17760
AAPL	AAPL	1	0.41011	0.17718	2.31	0.0215	44.49984
CDW	CDW	1	-0.79291	0.14321	-5.54	<.0001	13.61491
DXC	DXC	1	-0.16216	0.40808	-0.40	0.6915	10.05206
HPE	HPE	1	-2.28632	1.04369	-2.19	0.0295	6.06500
KLAC	KLAC	1	0.00230	0.06089	0.04	0.9699	30.25095
MCHP	MCHP	1	3.65302	0.33856	10.79	<.0001	16.48018
MU	MU	1	0.26074	0.18409	1.42	0.1580	10.77598
MPWR	MPWR	1	-0.01340	0.02598	-0.52	0.6066	17.20684
NTAP	NTAP	1	-0.61200	0.21685	-2.82	0.0052	8.85003
NLOK	NLOK	1	2.66026	0.45590	5.84	<.0001	4.31743
ORCL	ORCL	1	0.71105	0.21394	3.32	0.0010	11.97450
PAYX	PAYX	1	2.32462	0.20759	11.20	<.0001	24.65028
QRVO	QRVO	1	0.14797	0.10492	1.41	0.1598	29.50755
QCOM	QCOM	1	0.96803	0.13079	7.40	<.0001	33.75172
CRM	CRM	1	-0.24271	0.08166	-2.97	0.0033	29.36666
NOW	NOW	1	0.23851	0.03491	6.83	<.0001	27.50747
TEL	TEL	1	-1.49089	0.20959	-7.11	<.0001	25.18884
TER	TER	1	0.17520	0.11772	1.49	0.1381	18.01823
TXN	TXN	1	-0.61594	0.17715	-3.48	0.0006	10.87372
VRSN	VRSN	1	-0.52076	0.10145	-5.13	<.0001	8.15885
V	V	1	0.00433	0.10374	0.04	0.9668	8.73347

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 24
Error DF 229
MSE 46.825
R-Square 0.9892
Adj R-Square 0.9881


Residual by Regressors for AVGO
Residual
ACN
ADBE
AAPL
CDW
DXC
HPE


Residual by Regressors for AVGO
Residual
KLAC
MCHP
MU
MPWR
NTAP
NLOK


Residual by Regressors for AVGO
Residual
ORCL
PAYX
QRVO
QCOM
CRM
NOW


Residual by Regressors for AVGO
Residual
TEL
TER
TXN
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

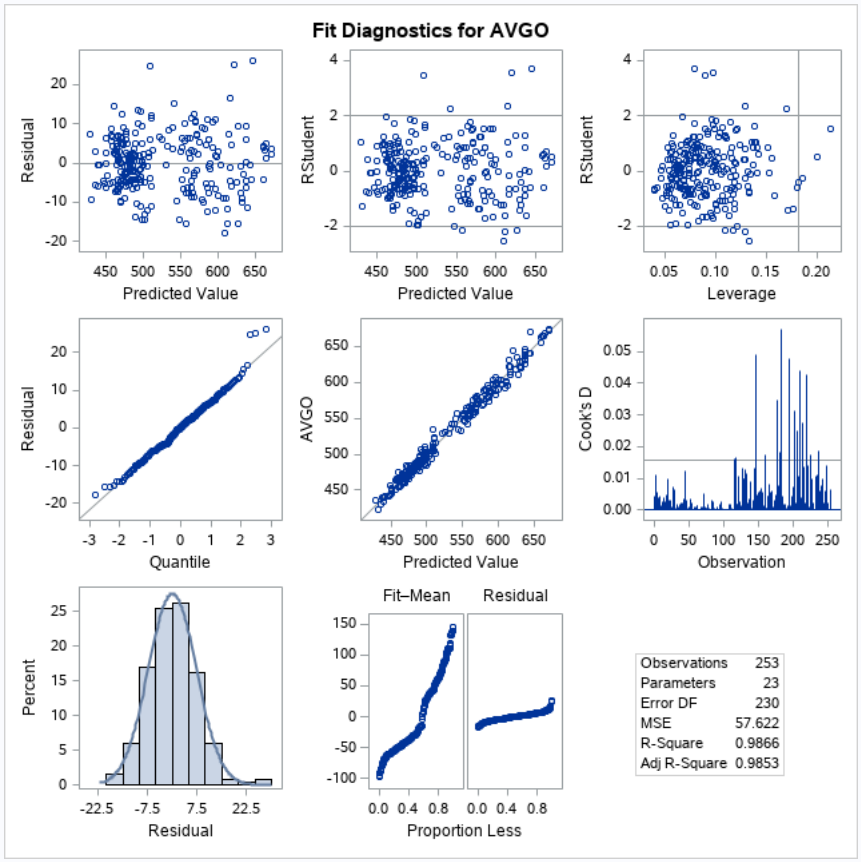
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	22	977297	44423	770.93	<.0001
Error	230	13253	57.62207		
Corrected Total	252	990550			

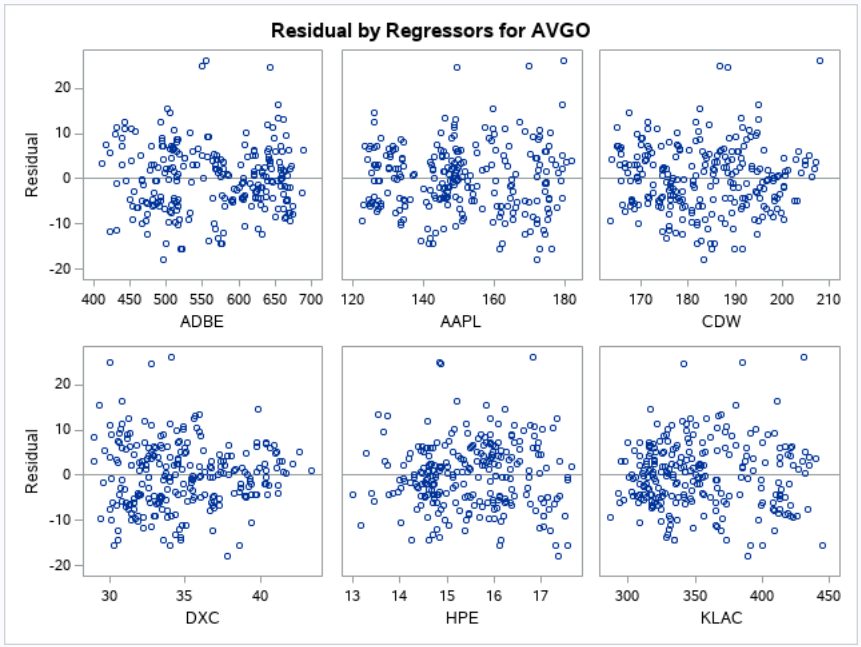
Root MSE	7.59092	R-Square	0.9866
Dependent Mean	526.14447	Adj R-Sq	0.9853
Coeff Var	1.44274		

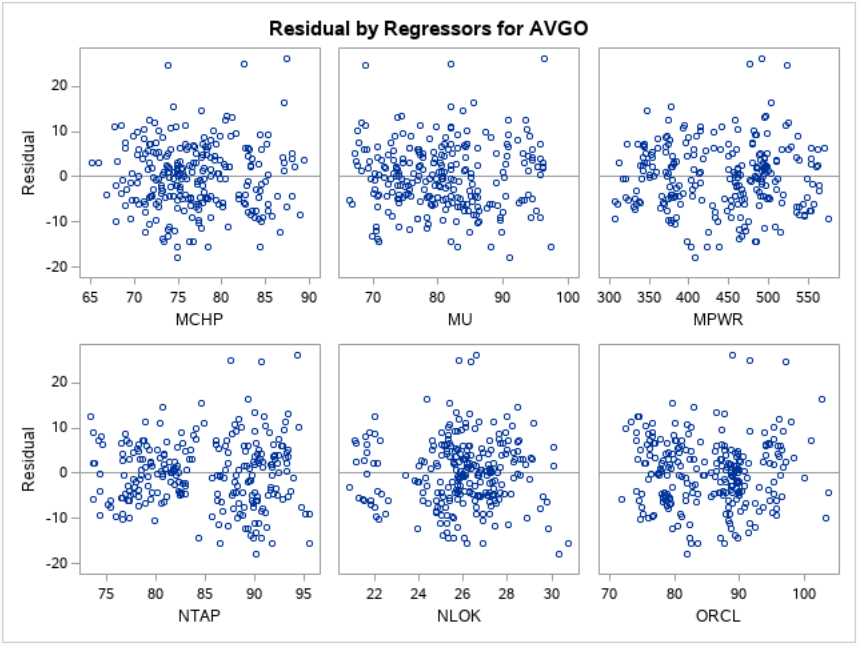
Parameter Estimates

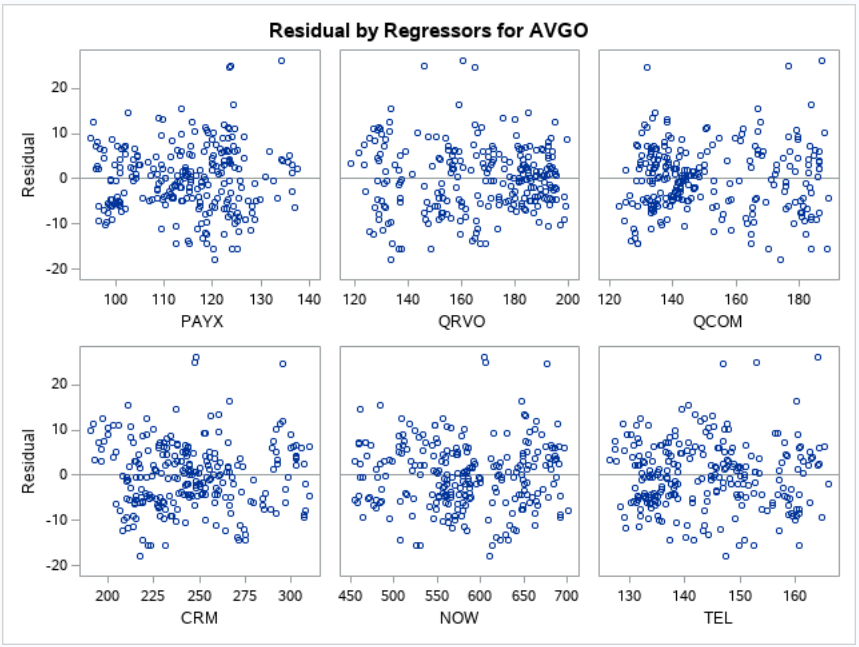
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	73.56063	31.89670	2.31	0.0220	0
ADBE	ADBE	1	-0.29261	0.03757	-7.79	<.0001	33.98436
AAPL	AAPL	1	0.59882	0.19448	3.08	0.0023	43.56568
CDW	CDW	1	-0.45642	0.15053	-3.03	0.0027	12.22404
DXC	DXC	1	-1.07079	0.43143	-2.48	0.0138	9.12981
HPE	HPE	1	-5.28915	1.06542	-4.96	<.0001	5.13591
KLAC	KLAC	1	0.10903	0.06560	1.66	0.0979	28.53112
MCHP	MCHP	1	4.04457	0.37090	10.90	<.0001	16.07227
MU	MU	1	0.09226	0.20262	0.46	0.6493	10.60895
MPWR	MPWR	1	-0.07810	0.02712	-2.88	0.0044	15.23204
NTAP	NTAP	1	-0.53827	0.24030	-2.24	0.0260	8.83110
NLOK	NLOK	1	2.71096	0.50568	5.36	<.0001	4.31644
ORCL	ORCL	1	1.14097	0.22828	5.00	<.0001	11.07962
PAYX	PAYX	1	2.82485	0.21756	12.98	<.0001	22.00147
QRVO	QRVO	1	0.09263	0.11609	0.80	0.4257	29.35565
QCOM	QCOM	1	0.75165	0.14137	5.32	<.0001	32.04206
CRM	CRM	1	-0.30532	0.09010	-3.39	0.0008	29.04724
NOW	NOW	1	0.32396	0.03652	8.87	<.0001	24.45876
TEL	TEL	1	-0.89546	0.21444	-4.18	<.0001	21.42666
TER	TER	1	0.19979	0.13054	1.53	0.1273	18.00369
TXN	TXN	1	-0.85987	0.19303	-4.45	<.0001	10.49219
VRSN	VRSN	1	-0.23440	0.10391	-2.26	0.0250	6.95583
V	V	1	0.15331	0.11286	1.36	0.1757	8.40016

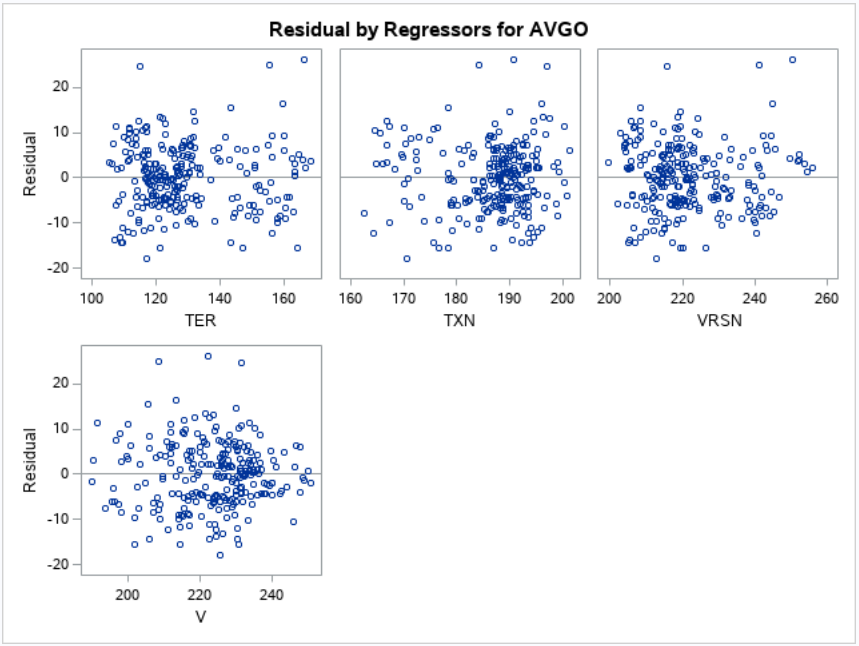
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 23
Error DF 230
MSE 57.622
R-Square 0.9866
Adj R-Square 0.9853


Residual by Regressors for AVGO
Residual
ADBE
AAPL
CDW
DXC
HPE
KLAC


Residual by Regressors for AVGO
Residual
MCHP
MU
MPWR
NTAP
NLOK
ORCL


Residual by Regressors for AVGO
Residual
PAYX
QRVO
QCOM
CRM
NOW
TEL


Residual by Regressors for AVGO
Residual
TER
TXN
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

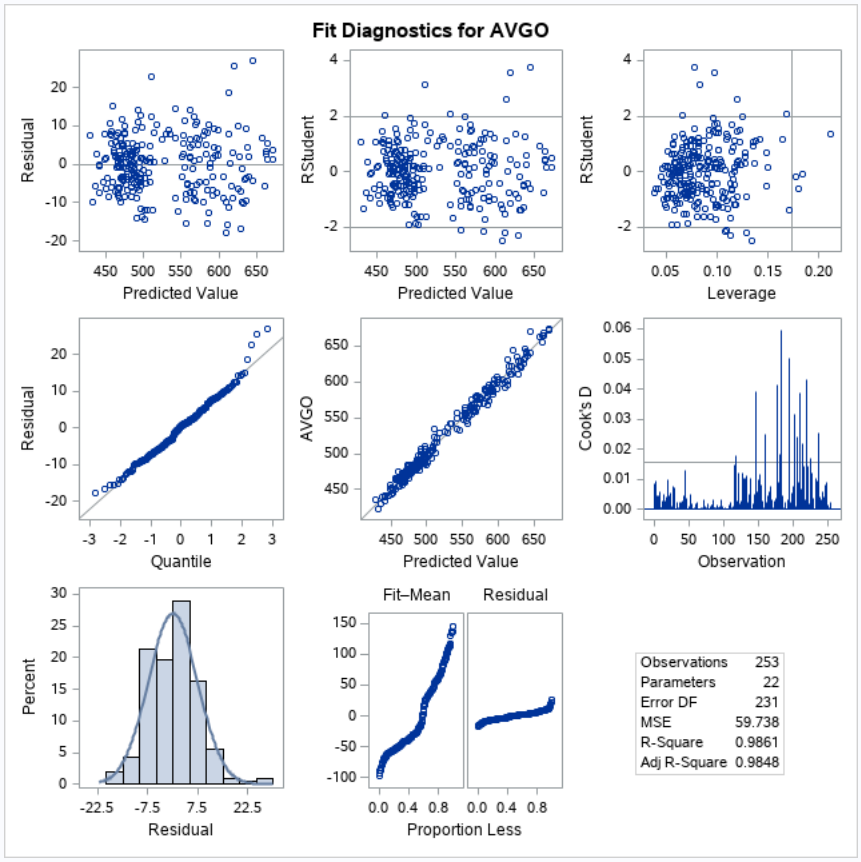
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	21	976750	46512	778.60	<.0001
Error	231	13799	59.73760		
Corrected Total	252	990550			

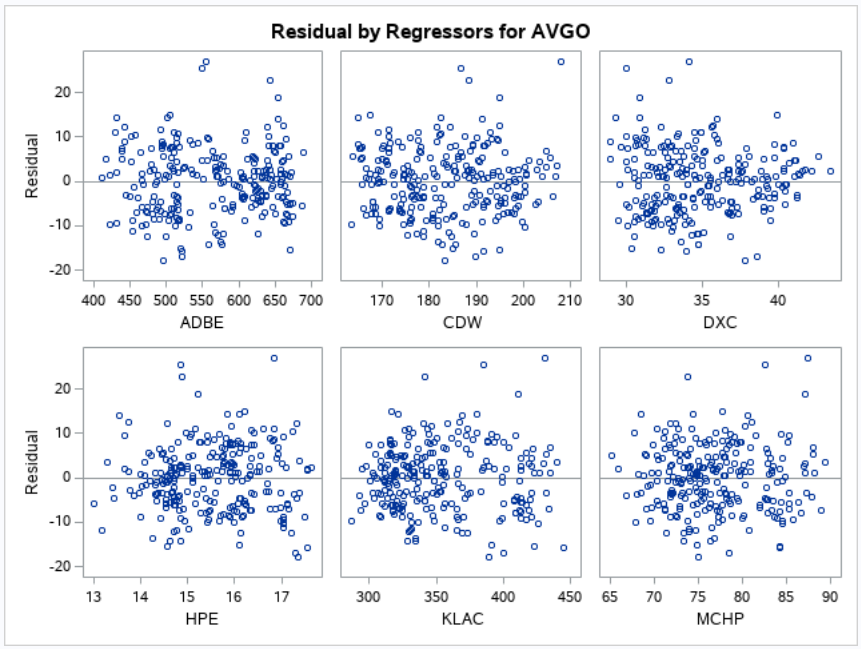
Root MSE	7.72901	R-Square	0.9861
Dependent Mean	526.14447	Adj R-Sq	0.9848
Coeff Var	1.46899		

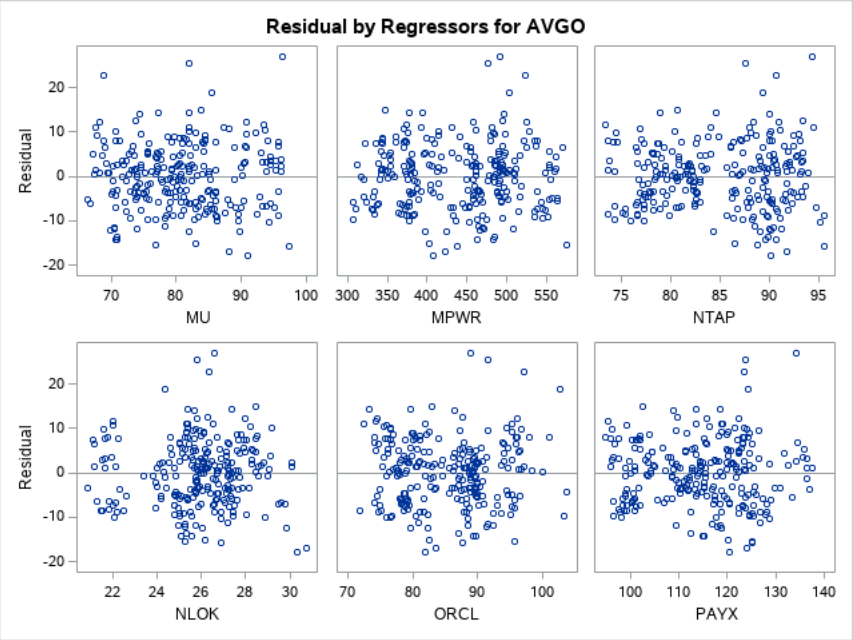
Parameter Estimates

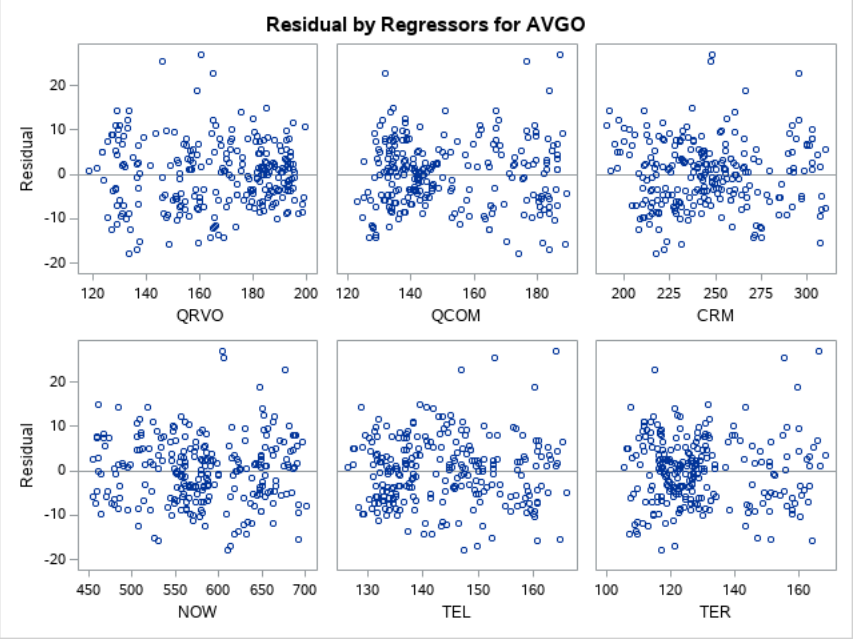
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	65.41069	32.36494	2.02	0.0444	0
ADBE	ADBE	1	-0.26989	0.03751	-7.19	<.0001	32.67386
CDW	CDW	1	-0.33576	0.14799	-2.27	0.0242	11.39556
DXC	DXC	1	-1.53437	0.41166	-3.73	0.0002	8.01797
HPE	HPE	1	-5.21055	1.08449	-4.80	<.0001	5.13296
KLAC	KLAC	1	0.09854	0.06671	1.48	0.1410	28.45408
MCHP	MCHP	1	3.96443	0.37671	10.52	<.0001	15.99314
MU	MU	1	0.17184	0.20462	0.84	0.4019	10.43633
MPWR	MPWR	1	-0.06922	0.02746	-2.52	0.0124	15.05953
NTAP	NTAP	1	-0.34540	0.23621	-1.46	0.1450	8.23100
NLOK	NLOK	1	3.12617	0.49624	6.30	<.0001	4.00951
ORCL	ORCL	1	1.42740	0.21226	6.72	<.0001	9.23979
PAYX	PAYX	1	3.09144	0.20322	15.21	<.0001	18.51721
QRVO	QRVO	1	0.02423	0.11601	0.21	0.8347	28.28060
QCOM	QCOM	1	0.97097	0.12433	7.81	<.0001	23.90715
CRM	CRM	1	-0.47201	0.07333	-6.44	<.0001	18.55947
NOW	NOW	1	0.36099	0.03511	10.28	<.0001	21.80647
TEL	TEL	1	-1.12673	0.20451	-5.51	<.0001	18.79788
TER	TER	1	0.28052	0.13021	2.15	0.0322	17.27748
TXN	TXN	1	-0.86748	0.19653	-4.41	<.0001	10.49047
VRSN	VRSN	1	-0.29276	0.10402	-2.81	0.0053	6.72439
V	V	1	0.28954	0.10572	2.74	0.0066	7.10924

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 22
Error DF 231
MSE 59.738
R-Square 0.9861
Adj R-Square 0.9848


Residual by Regressors for AVGO
Residual
ADBE
CDW
DXC
Residual
HPE
KLAC
MCHP


Residual by Regressors for AVGO
Residual
MU
MPWR
NTAP
NLOK
ORCL
PAYX


Residual by Regressors for AVGO
Residual
QRVO
QCOM
CRM
NOW
TEL
TER


Residual by Regressors for AVGO
Residual
TXN
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

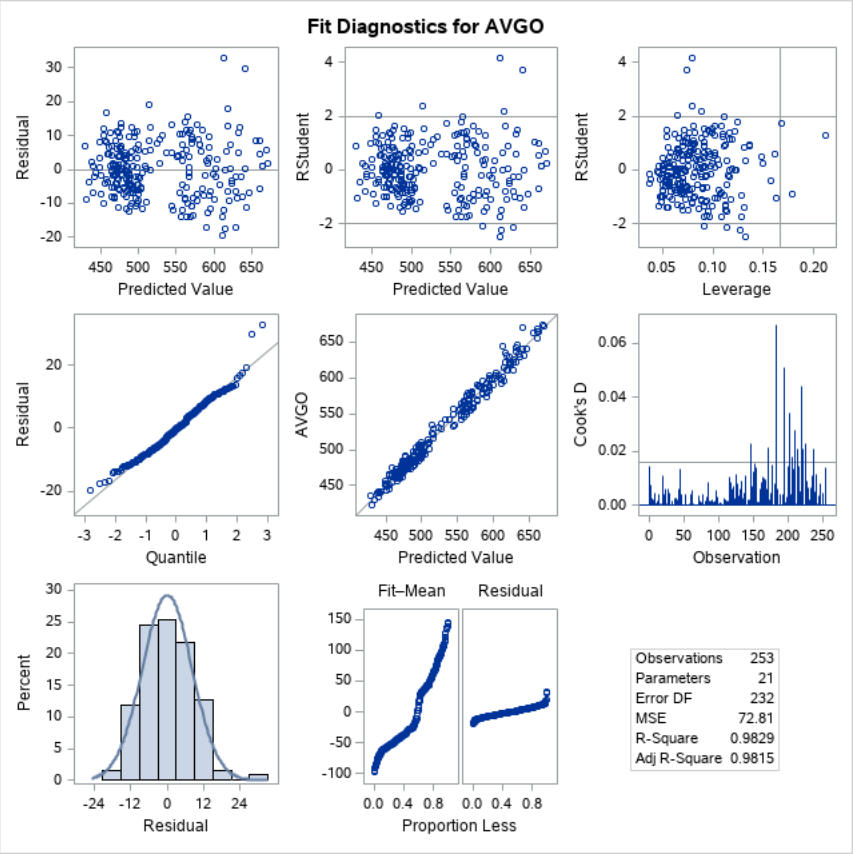
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	973658	48683	668.63	<.0001
Error	232	16892	72.80982		
Corrected Total	252	990550			

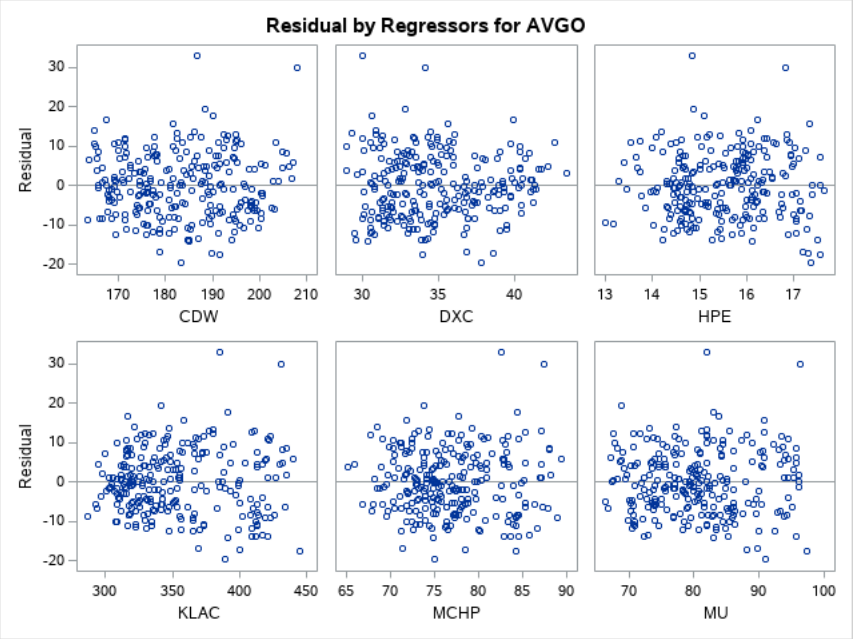
Root MSE	8.53287	R-Square	0.9829
Dependent Mean	526.14447	Adj R-Sq	0.9815
Coeff Var	1.62177		

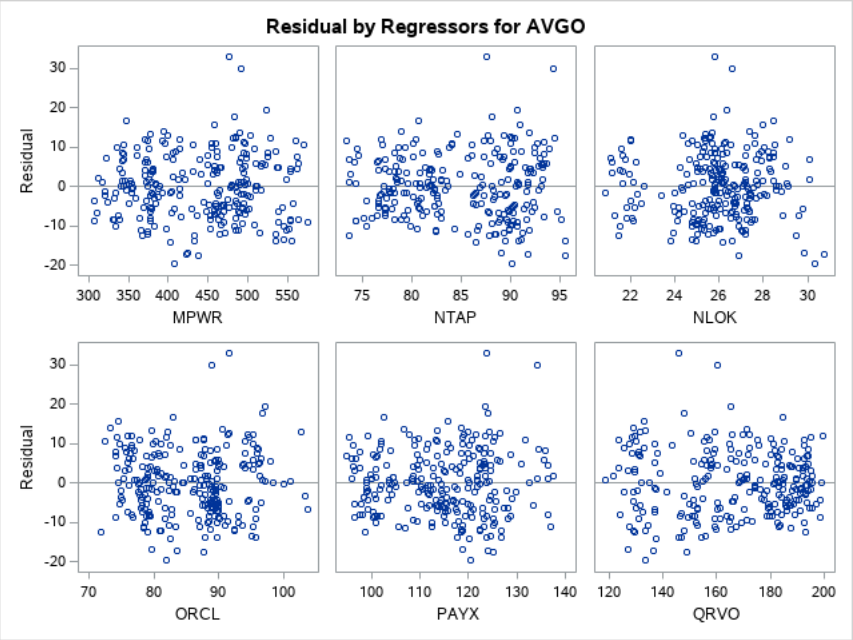
Parameter Estimates

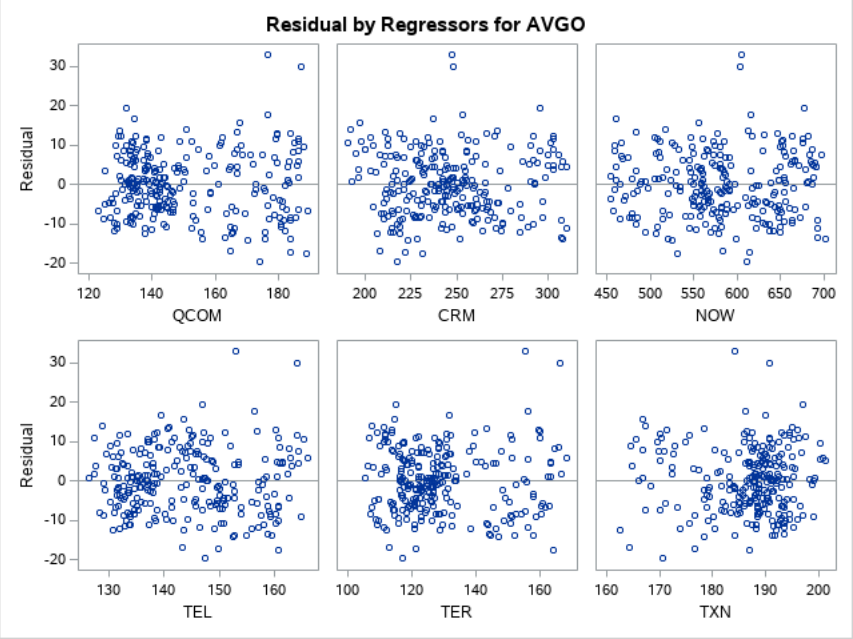
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	63.28610	35.72957	1.77	0.0778	0
CDW	CDW	1	-0.78233	0.14832	-5.27	<.0001	9.39101
DXC	DXC	1	-2.39251	0.43498	-5.50	<.0001	7.34493
HPE	HPE	1	-2.43193	1.11880	-2.17	0.0307	4.48206
KLAC	KLAC	1	0.06056	0.07341	0.82	0.4103	28.27588
MCHP	MCHP	1	5.17971	0.37174	13.93	<.0001	12.77797
MU	MU	1	0.86467	0.19933	4.34	<.0001	8.12523
MPWR	MPWR	1	-0.09579	0.03004	-3.19	0.0016	14.78706
NTAP	NTAP	1	-0.33229	0.26077	-1.27	0.2038	8.23052
NLOK	NLOK	1	2.73976	0.54463	5.03	<.0001	3.96255
ORCL	ORCL	1	1.25361	0.23282	5.38	<.0001	9.12014
PAYX	PAYX	1	3.84156	0.19259	19.95	<.0001	13.64372
QRVO	QRVO	1	-0.18595	0.12395	-1.50	0.1349	26.48751
QCOM	QCOM	1	0.57725	0.12326	4.68	<.0001	19.27623
CRM	CRM	1	-0.62085	0.07767	-7.99	<.0001	17.08241
NOW	NOW	1	0.29401	0.03738	7.87	<.0001	20.27358
TEL	TEL	1	-1.19228	0.22555	-5.29	<.0001	18.76057
TER	TER	1	0.16185	0.14259	1.14	0.2575	17.00028
TXN	TXN	1	-1.30986	0.20608	-6.36	<.0001	9.46371
VRSN	VRSN	1	-0.44419	0.11247	-3.95	0.0001	6.44916
V	V	1	0.48277	0.11289	4.28	<.0001	6.65045

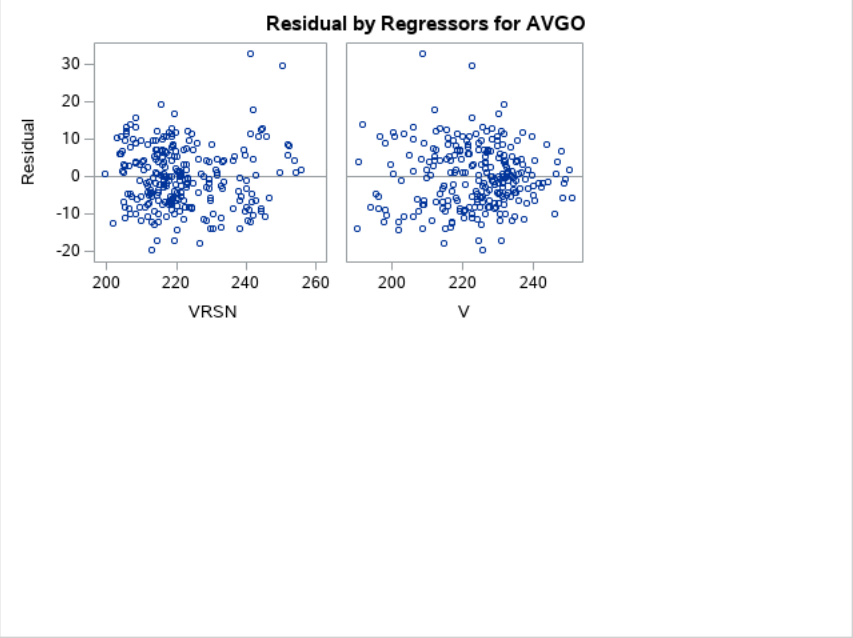
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 21
Error DF 232
MSE 72.81
R-Square 0.9829
Adj R-Square 0.9815


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
Residual
KLAC
MCHP
MU


Residual by Regressors for AVGO
Residual
MPWR
NTAP
NLOK
ORCL
PAYX
QRVO


Residual by Regressors for AVGO
Residual
QCOM
CRM
NOW
TEL
TER
TXN


Residual by Regressors for AVGO
Residual
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

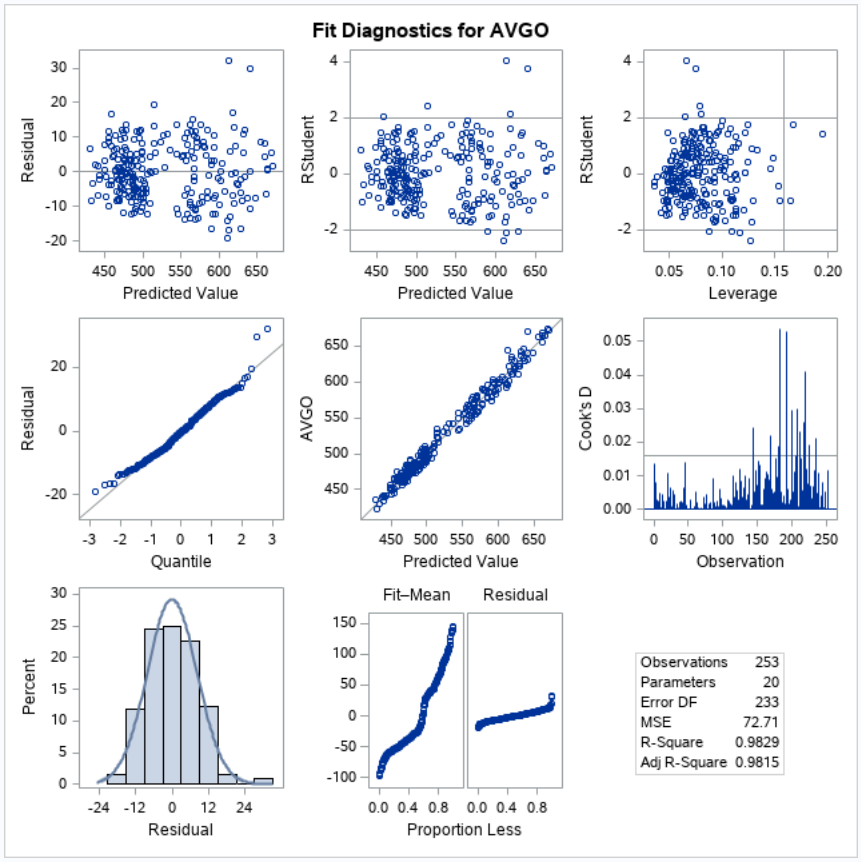
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	19	973608	51243	704.75	<.0001
Error	233	16941	72.70996		
Corrected Total	252	990550			

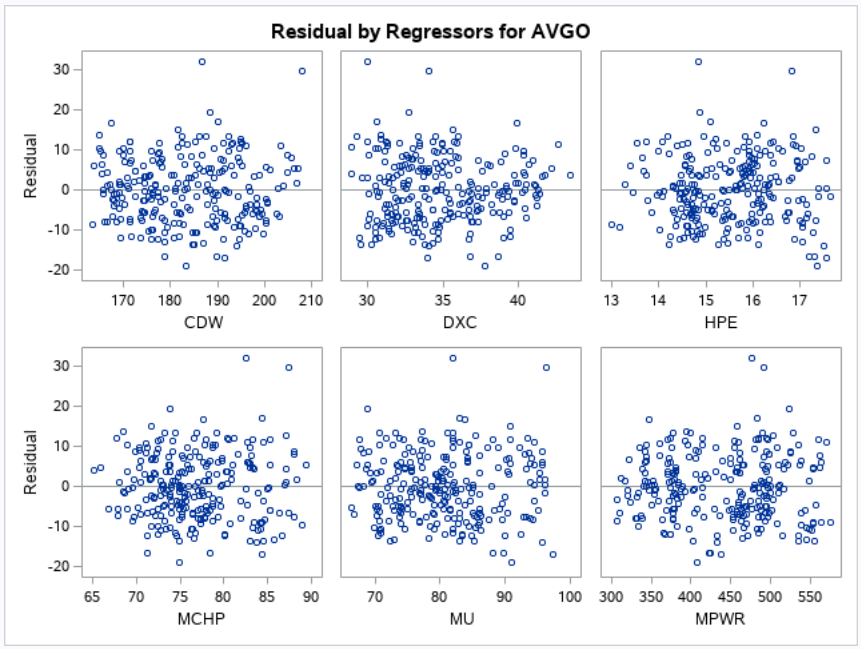
Root MSE	8.52701	R-Square	0.9829
Dependent Mean	526.14447	Adj R-Sq	0.9815
Coeff Var	1.62066		

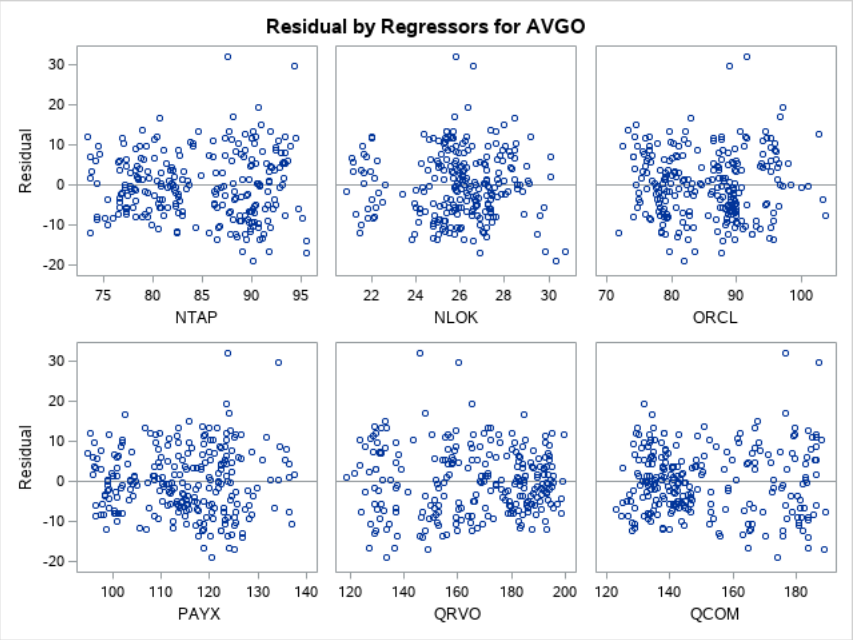
Parameter Estimates

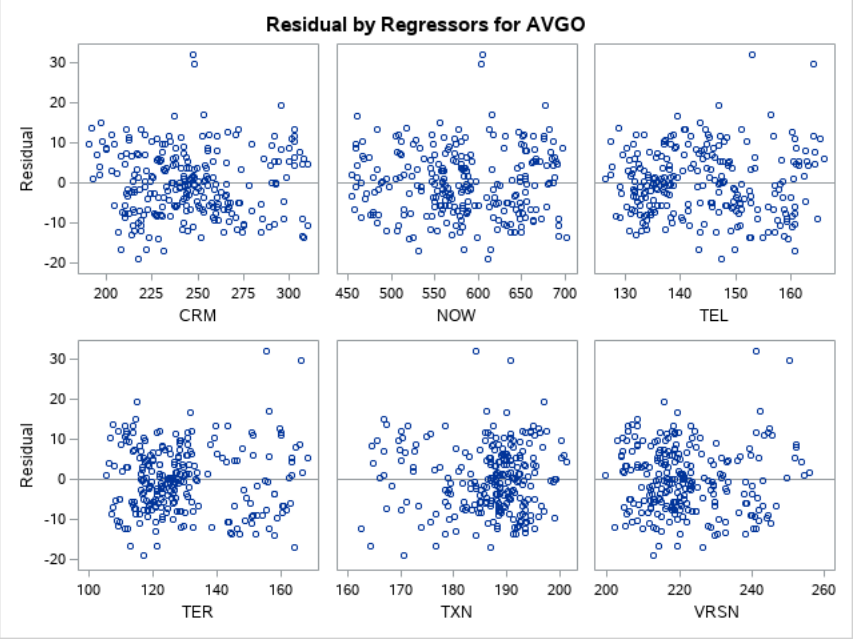
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	67.46134	35.34496	1.91	0.0575	0
CDW	CDW	1	-0.77580	0.14800	-5.24	<.0001	9.36420
DXC	DXC	1	-2.32247	0.42632	-5.45	<.0001	7.06507
HPE	HPE	1	-2.52279	1.11260	-2.27	0.0243	4.43861
MCHP	MCHP	1	5.30308	0.34009	15.59	<.0001	10.70947
MU	MU	1	0.89769	0.19514	4.60	<.0001	7.79761
MPWR	MPWR	1	-0.09499	0.03000	-3.17	0.0018	14.77151
NTAP	NTAP	1	-0.28084	0.25302	-1.11	0.2682	7.75954
NLOK	NLOK	1	2.59922	0.51694	5.03	<.0001	3.57478
ORCL	ORCL	1	1.21355	0.22754	5.33	<.0001	8.72333
PAYX	PAYX	1	3.86359	0.19059	20.27	<.0001	13.38152
QRVO	QRVO	1	-0.21778	0.11771	-1.85	0.0656	23.91981
QCOM	QCOM	1	0.61255	0.11551	5.30	<.0001	16.95302
CRM	CRM	1	-0.60928	0.07634	-7.98	<.0001	16.52523
NOW	NOW	1	0.29868	0.03692	8.09	<.0001	19.80861
TEL	TEL	1	-1.18411	0.22518	-5.26	<.0001	18.72437
TER	TER	1	0.20666	0.13175	1.57	0.1181	14.53361
TXN	TXN	1	-1.31518	0.20584	-6.39	<.0001	9.45444
VRSN	VRSN	1	-0.48517	0.10083	-4.81	<.0001	5.19063
V	V	1	0.48357	0.11280	4.29	<.0001	6.64996

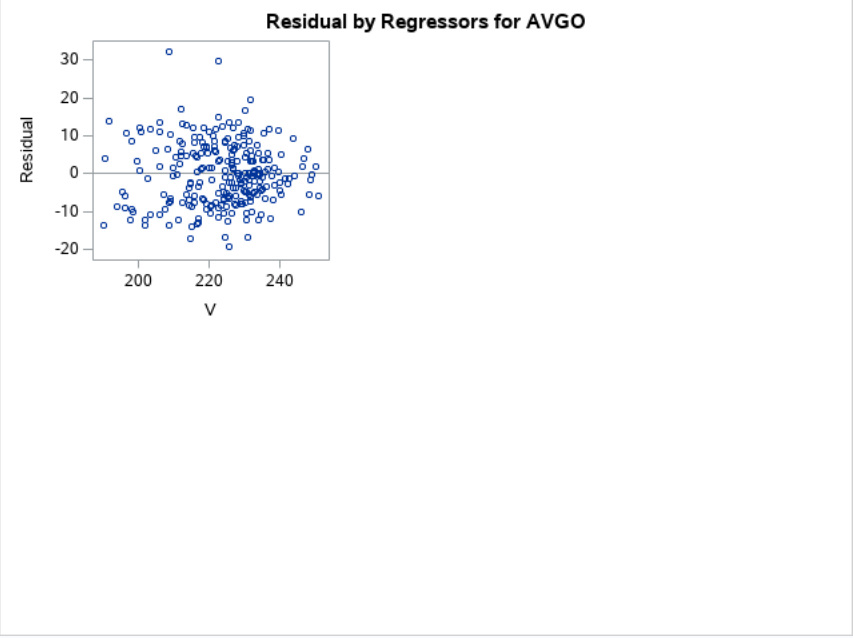
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 20
Error DF 233
MSE 72.71
R-Square 0.9829
Adj R-Square 0.9815


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
Residual
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NTAP
NLOK
ORCL
PAYX
QRVO
QCOM


Residual by Regressors for AVGO
Residual
CRM
NOW
TEL
TER
TXN
VRSN


Residual by Regressors for AVGO
Residual
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

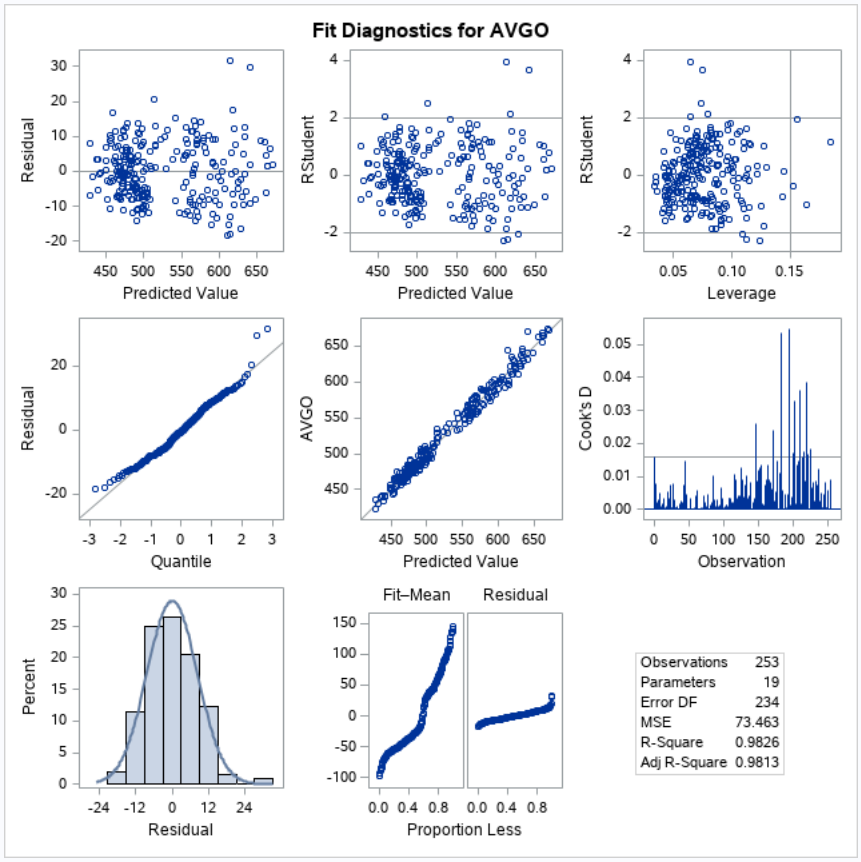
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	973359	54076	736.09	<.0001
Error	234	17190	73.46288		
Corrected Total	252	990550			

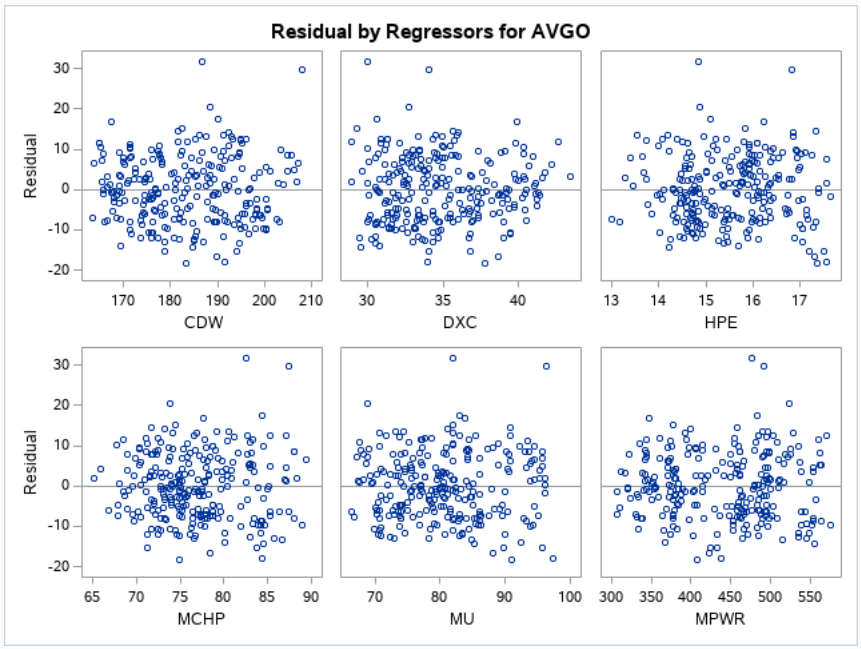
Root MSE	8.57105	R-Square	0.9826
Dependent Mean	526.14447	Adj R-Sq	0.9813
Coeff Var	1.62903		

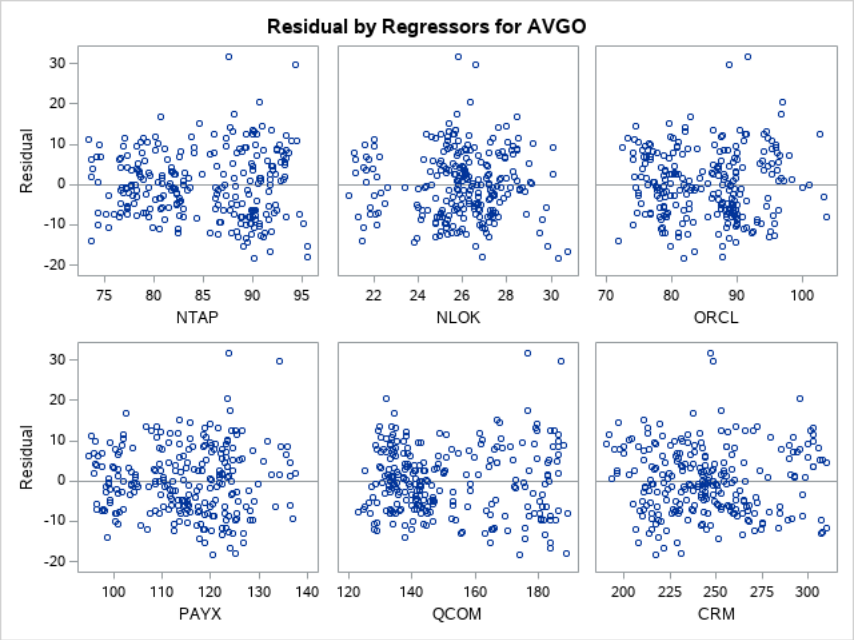
Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	72.15513	35.43586	2.04	0.0429	0
CDW	CDW	1	-0.92016	0.12641	-7.28	<.0001	6.76155
DXC	DXC	1	-2.63620	0.39317	-6.71	<.0001	5.94733
HPE	HPE	1	-2.39801	1.11629	-2.15	0.0327	4.42230
MCHP	MCHP	1	5.45095	0.33228	16.40	<.0001	10.11805
MU	MU	1	0.80549	0.18964	4.25	<.0001	7.28910
MPWR	MPWR	1	-0.09198	0.03011	-3.05	0.0025	14.72812
NTAP	NTAP	1	0.00600	0.20099	0.03	0.9762	4.84630
NLOK	NLOK	1	2.57304	0.51942	4.95	<.0001	3.57210
ORCL	ORCL	1	1.23611	0.22838	5.41	<.0001	8.69828
PAYX	PAYX	1	4.01788	0.17227	23.32	<.0001	10.81967
QCOM	QCOM	1	0.74002	0.09319	7.94	<.0001	10.92227
CRM	CRM	1	-0.61251	0.07671	-7.98	<.0001	16.51658
NOW	NOW	1	0.28504	0.03636	7.84	<.0001	19.01866
TEL	TEL	1	-1.25325	0.22320	-5.61	<.0001	18.20870
TER	TER	1	0.11153	0.12193	0.91	0.3613	12.32036
TXN	TXN	1	-1.48598	0.18492	-8.04	<.0001	7.55256
VRSN	VRSN	1	-0.48940	0.10133	-4.83	<.0001	5.18796
V	V	1	0.44131	0.11104	3.97	<.0001	6.37727

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 19
Error DF 234
MSE 73.463
R-Square 0.9826
Adj R-Square 0.9813


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	968846	56991	617.07	<.0001
Error	235	21704	92.35773		
Corrected Total	252	990550			

Root MSE	9.61029	R-Square	0.9781
Dependent Mean	526.14447	Adj R-Sq	0.9765
Coeff Var	1.82655		

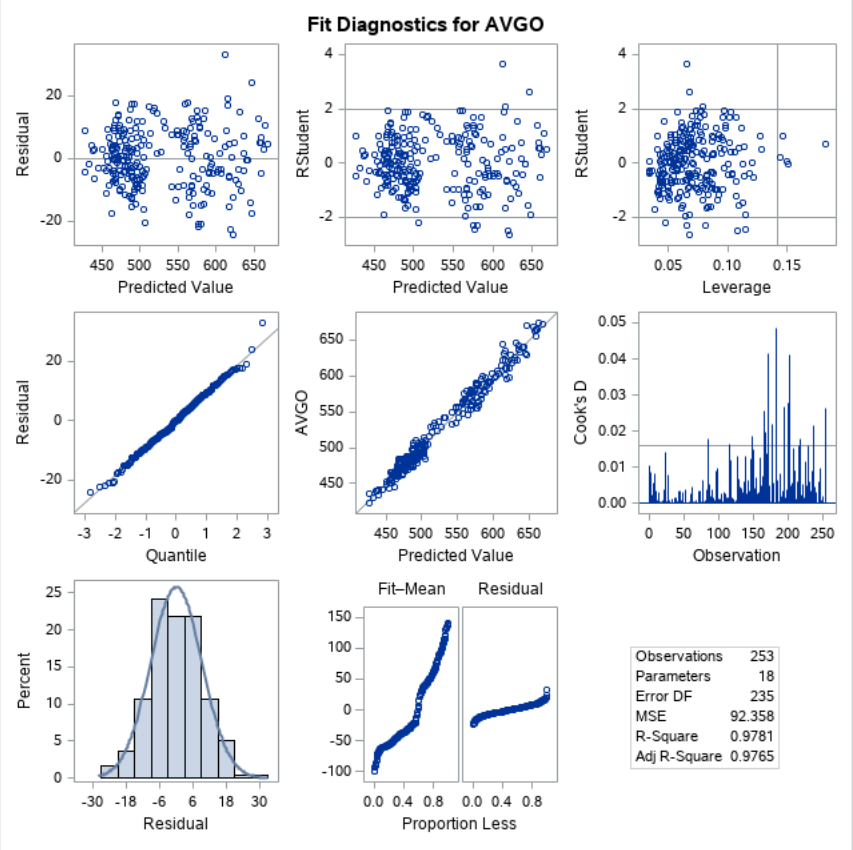
Parameter Estimates

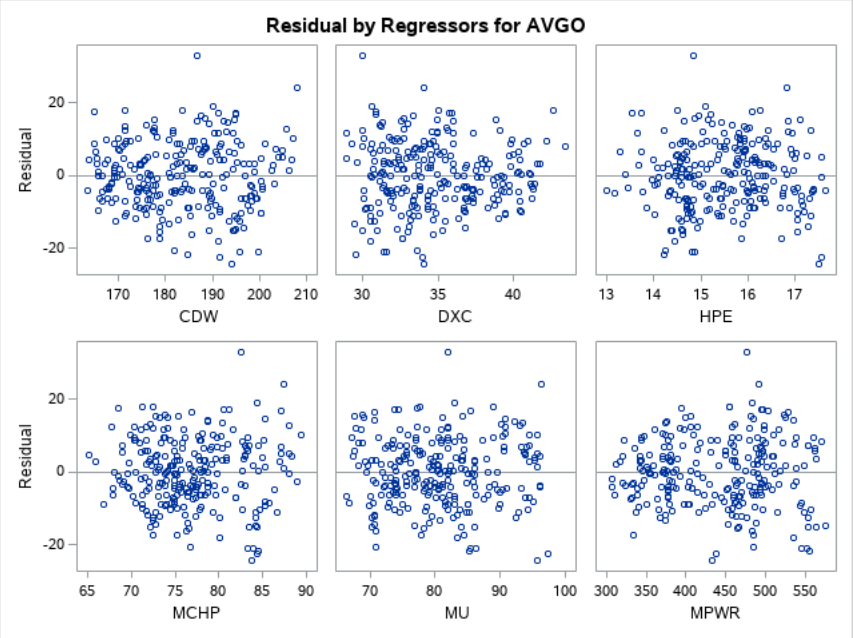
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	79.49742	39.71859	2.00	0.0465	0
CDW	CDW	1	-0.56241	0.13218	-4.25	<.0001	5.88018

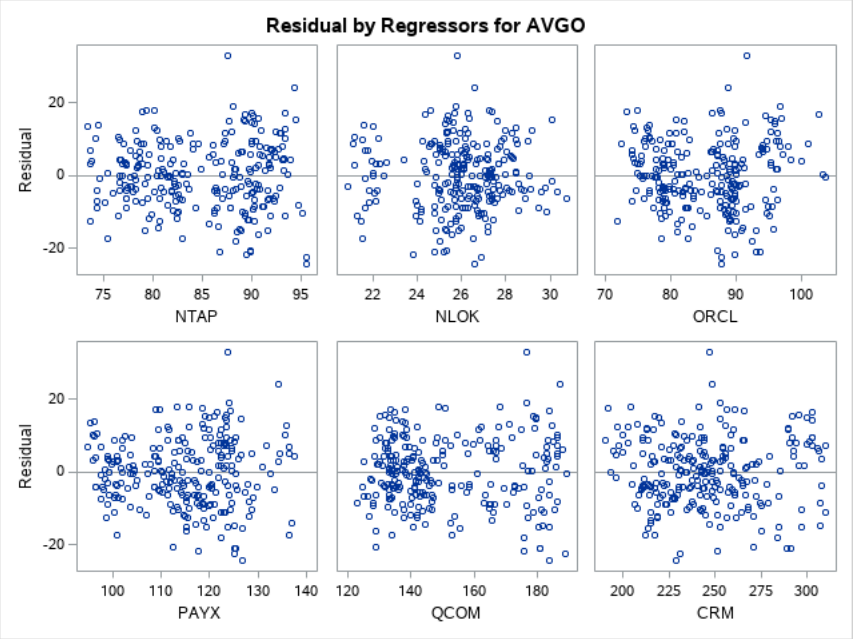
Parameter Estimates

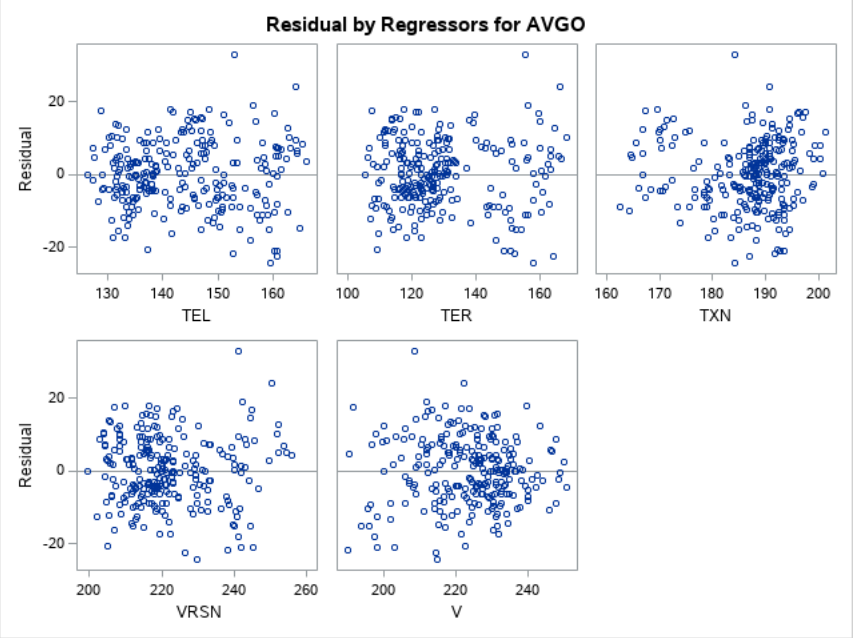
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
DXC	DXC	1	-3.27349	0.43131	-7.59	<.0001	5.69302
HPE	HPE	1	-5.04662	1.19292	-4.23	<.0001	4.01711
MCHP	MCHP	1	5.58791	0.37205	15.02	<.0001	10.09007
MU	MU	1	1.26300	0.20231	6.24	<.0001	6.59861
MPWR	MPWR	1	0.03934	0.02805	1.40	0.1621	10.16862
NTAP	NTAP	1	0.29484	0.22155	1.33	0.1845	4.68341
NLOK	NLOK	1	2.58699	0.58240	4.44	<.0001	3.57206
ORCL	ORCL	1	1.36152	0.25545	5.33	<.0001	8.65559
PAYX	PAYX	1	4.24545	0.19039	22.30	<.0001	10.51237
QCOM	QCOM	1	0.84124	0.10349	8.13	<.0001	10.71255
CRM	CRM	1	-0.23953	0.06747	-3.55	0.0005	10.16167
TEL	TEL	1	-1.85451	0.23503	-7.89	<.0001	16.05828
TER	TER	1	-0.13191	0.13221	-1.00	0.3194	11.52103
TXN	TXN	1	-1.83416	0.20127	-9.11	<.0001	7.11680
VRSN	VRSN	1	-0.44605	0.11344	-3.93	0.0001	5.17250
V	V	1	0.69171	0.11924	5.80	<.0001	5.84944

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NTAP
NLOK
ORCL
PAYX
QCOM
CRM


Residual by Regressors for AVGO
Residual
TEL
TER
TXN
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

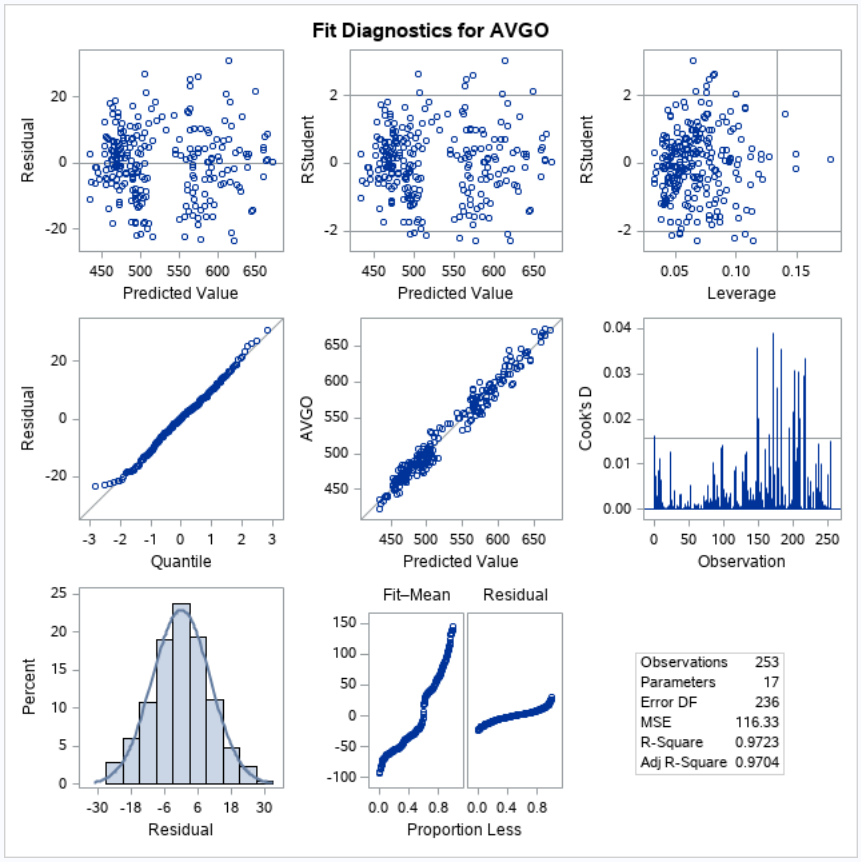
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	963095	60193	517.43	<.0001
Error	236	27454	116.33251		
Corrected Total	252	990550			

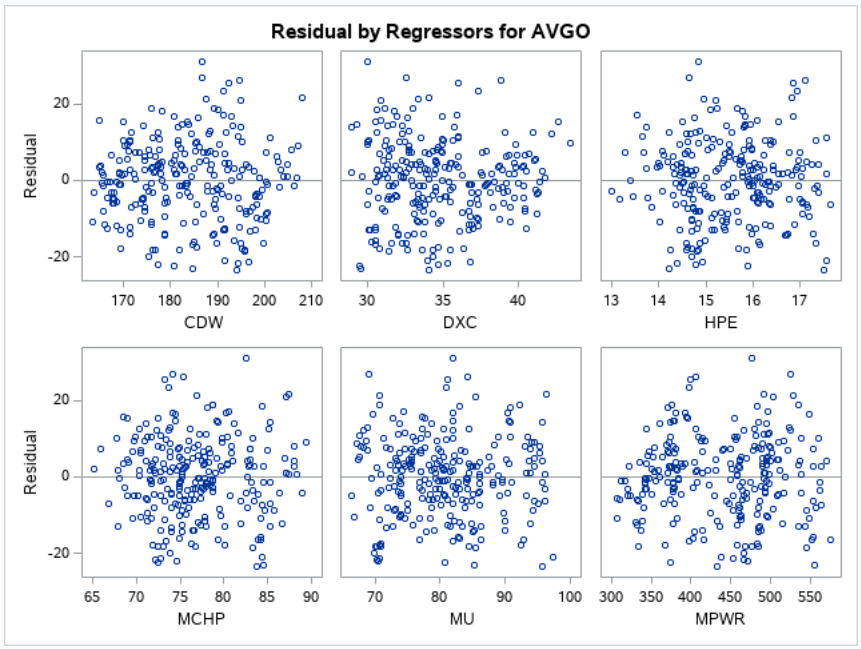
Root MSE	10.78576	R-Square	0.9723
Dependent Mean	526.14447	Adj R-Sq	0.9704
Coeff Var	2.04996		

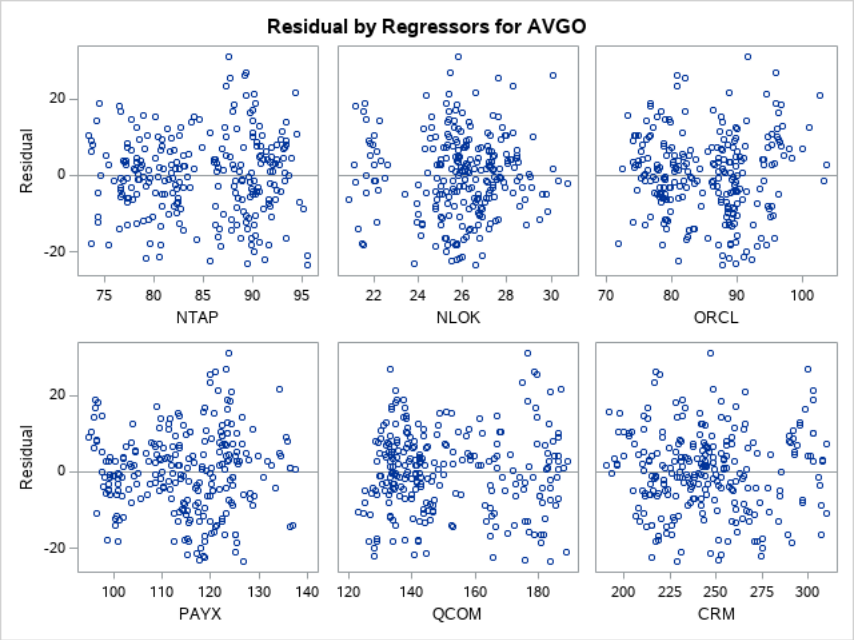
Parameter Estimates

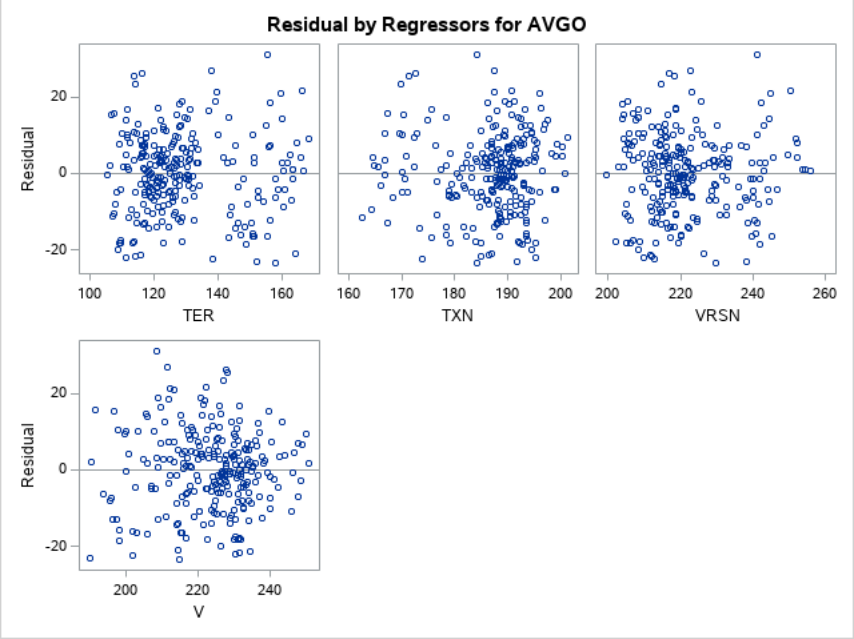
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	38.95880	44.20220	0.88	0.3790	0
CDW	CDW	1	-1.13855	0.12366	-9.21	<.0001	4.08586
DXC	DXC	1	-4.85748	0.42844	-11.34	<.0001	4.45978
HPE	HPE	1	-6.91985	1.31205	-5.27	<.0001	3.85802
MCHP	MCHP	1	5.87682	0.41553	14.14	<.0001	9.99235
MU	MU	1	1.11203	0.22604	4.92	<.0001	6.53959
MPWR	MPWR	1	0.05015	0.03145	1.59	0.1121	10.14438
NTAP	NTAP	1	-0.00592	0.24494	-0.02	0.9807	4.54478
NLOK	NLOK	1	3.41491	0.64293	5.31	<.0001	3.45612
ORCL	ORCL	1	0.50861	0.25976	1.96	0.0514	7.10578
PAYX	PAYX	1	4.44066	0.21187	20.96	<.0001	10.33487
QCOM	QCOM	1	0.45989	0.10270	4.48	<.0001	8.37611
CRM	CRM	1	-0.48853	0.06692	-7.30	<.0001	7.93853
TER	TER	1	-0.42301	0.14248	-2.97	0.0033	10.62395
TXN	TXN	1	-1.46797	0.21980	-6.68	<.0001	6.73843
VRSN	VRSN	1	-0.28637	0.12528	-2.29	0.0231	5.00789
V	V	1	0.94132	0.12903	7.30	<.0001	5.43772

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 17
Error DF 236
MSE 116.33
R-Square 0.9723
Adj R-Square 0.9704


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR





The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	15	962070	64138	533.74	<.0001
Error	237	28480	120.16802		
Corrected Total	252	990550			

Root MSE	10.96212	R-Square	0.9712
Dependent Mean	526.14447	Adj R-Sq	0.9694
Coeff Var	2.08348		

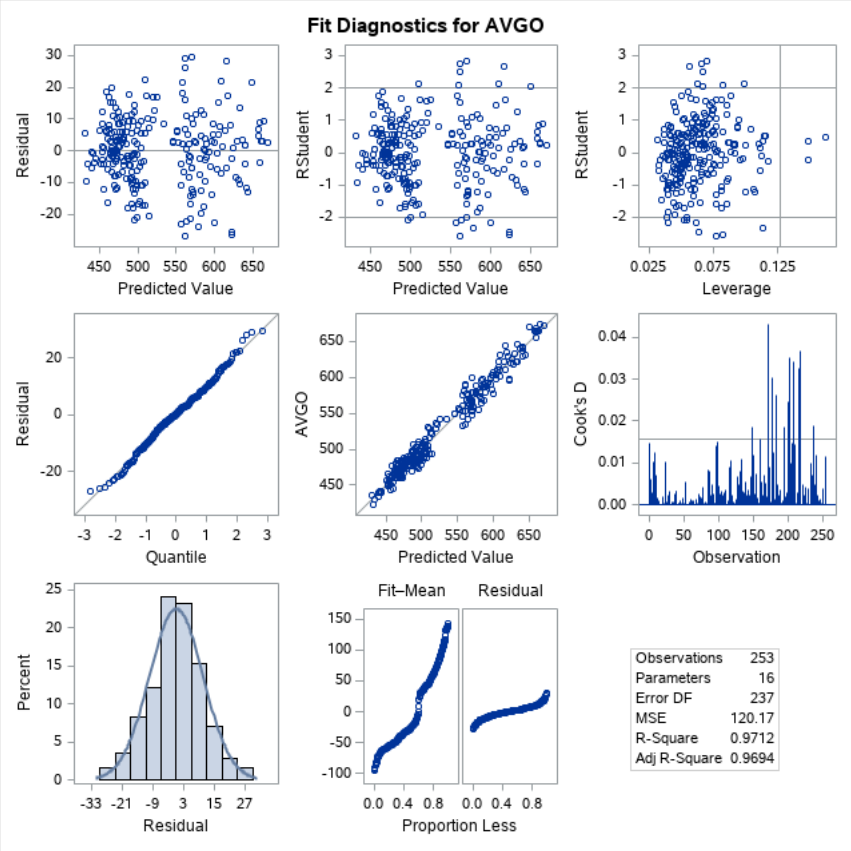
Parameter Estimates

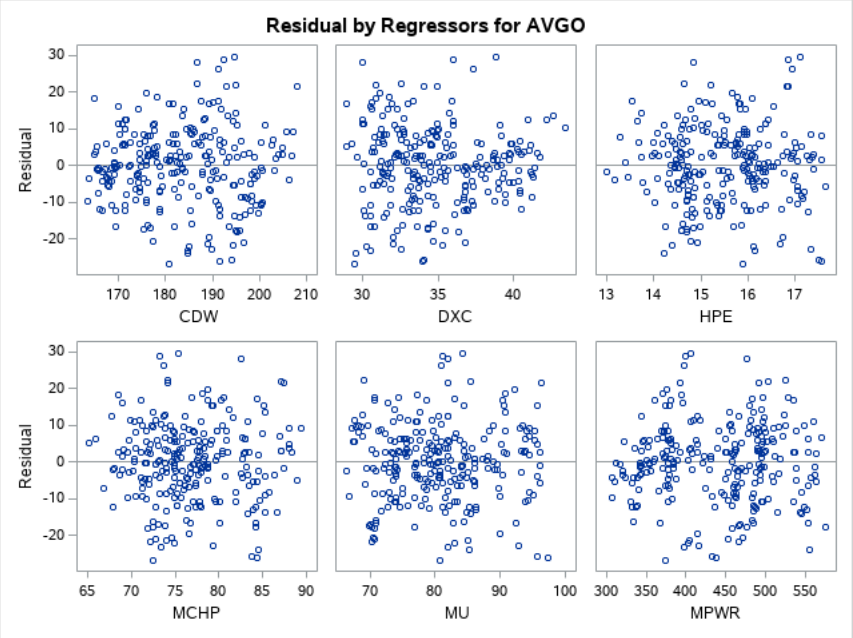
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	63.42314	44.13739	1.44	0.1521	0
CDW	CDW	1	-1.16095	0.12545	-9.25	<.0001	4.07066

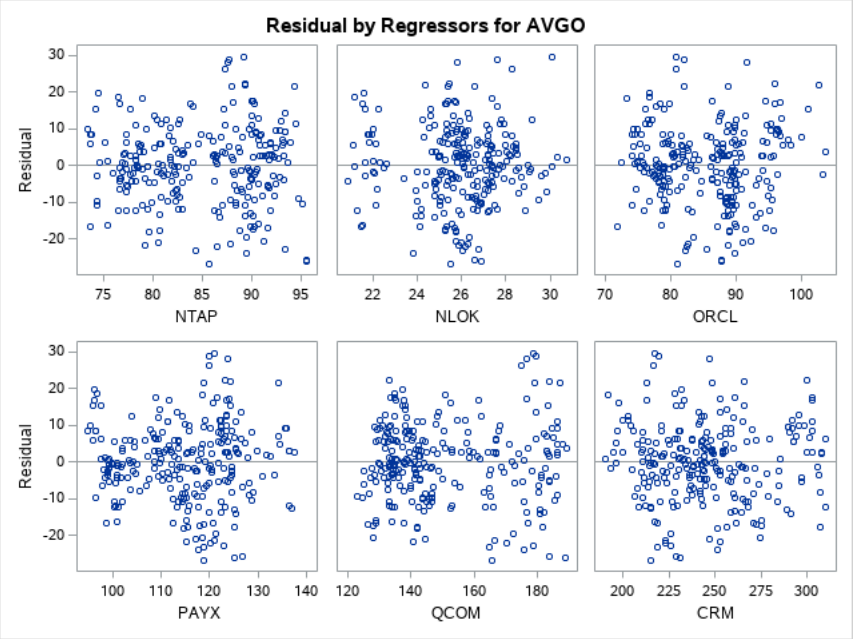
Parameter Estimates

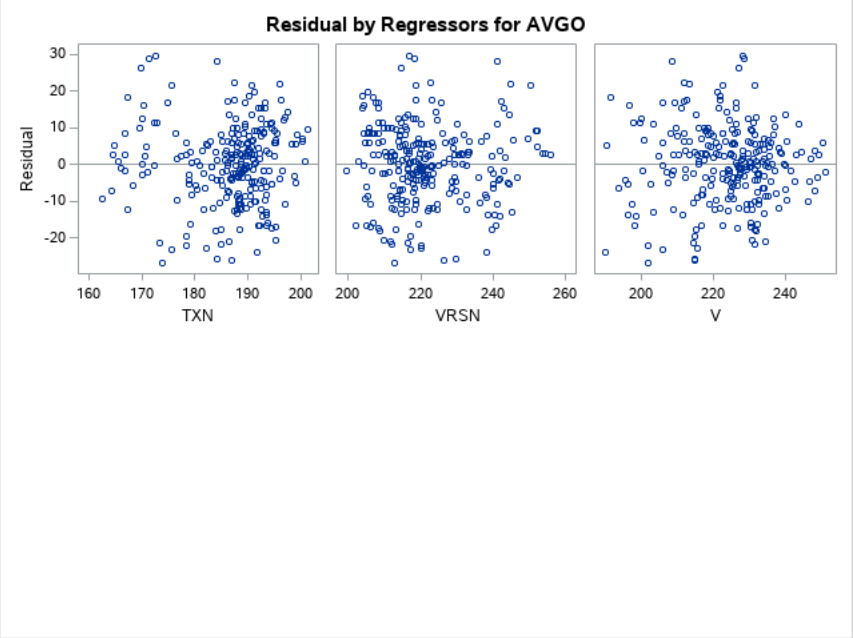
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
DXC	DXC	1	-5.20778	0.41861	-12.44	<.0001	4.12153
HPE	HPE	1	-6.64131	1.33009	-4.99	<.0001	3.83829
MCHP	MCHP	1	5.42711	0.39327	13.80	<.0001	8.66451
MU	MU	1	0.79632	0.20273	3.93	0.0001	5.09221
MPWR	MPWR	1	0.08837	0.02916	3.03	0.0027	8.44426
NTAP	NTAP	1	0.14389	0.24360	0.59	0.5553	4.35190
NLOK	NLOK	1	3.95747	0.62649	6.32	<.0001	3.17688
ORCL	ORCL	1	0.33300	0.25707	1.30	0.1965	6.73733
PAYX	PAYX	1	4.24095	0.20419	20.77	<.0001	9.29303
QCOM	QCOM	1	0.45834	0.10438	4.39	<.0001	8.37590
CRM	CRM	1	-0.54217	0.06549	-8.28	<.0001	7.35982
TXN	TXN	1	-1.44485	0.22326	-6.47	<.0001	6.72997
VRSN	VRSN	1	-0.45394	0.11367	-3.99	<.0001	3.99124
V	V	1	1.09085	0.12073	9.04	<.0001	4.60923

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NTAP
NLOK
ORCL
PAYX
QCOM
CRM


Residual by Regressors for AVGO
Residual
TXN
VRSN
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

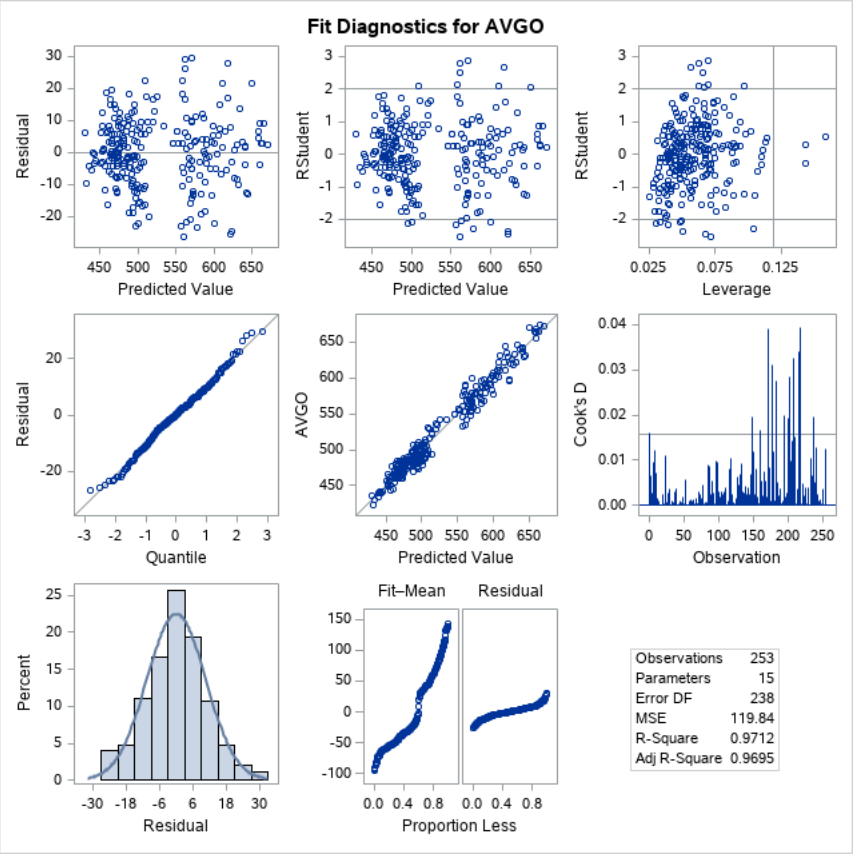
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	962028	68716	573.40	<.0001
Error	238	28522	119.83926		
Corrected Total	252	990550			

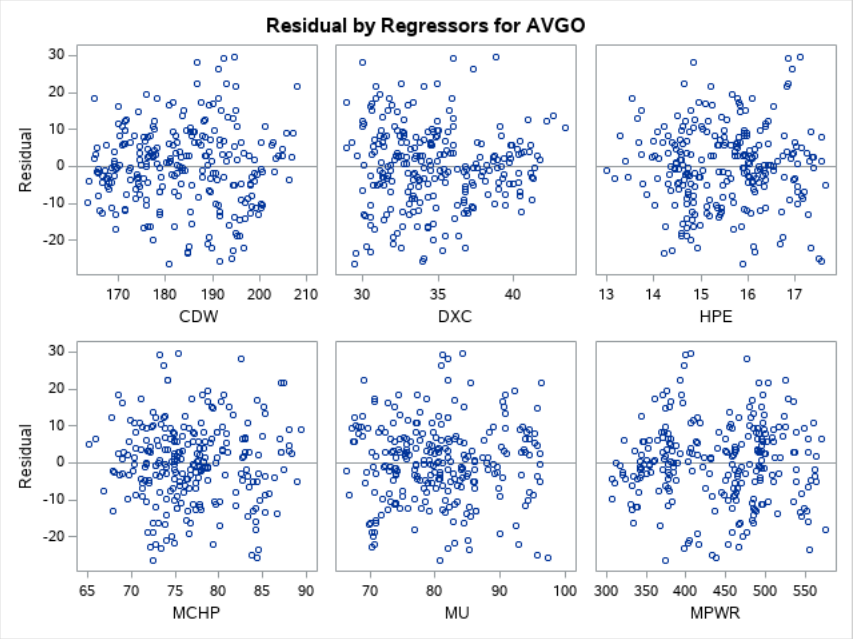
Root MSE	10.94711	R-Square	0.9712
Dependent Mean	526.14447	Adj R-Sq	0.9695
Coeff Var	2.08063		

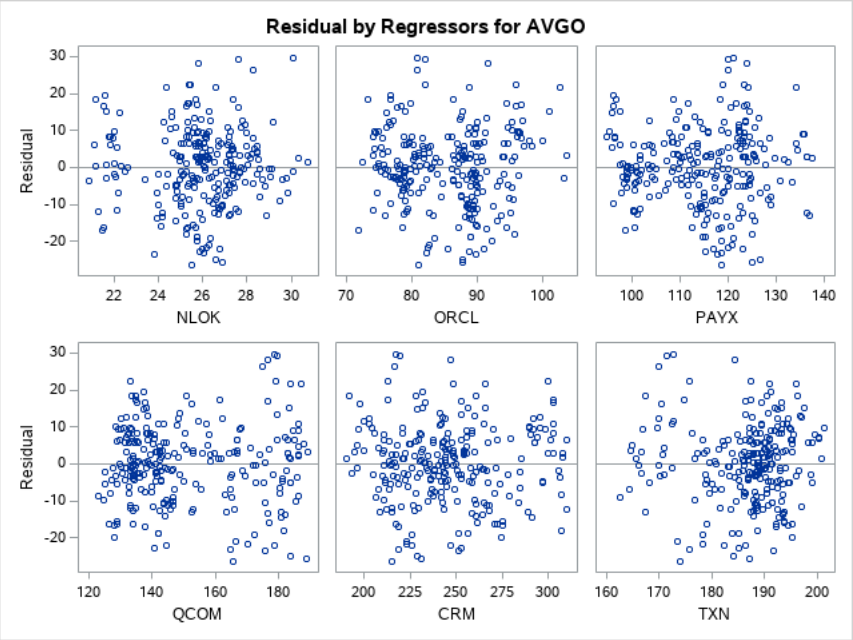
Parameter Estimates

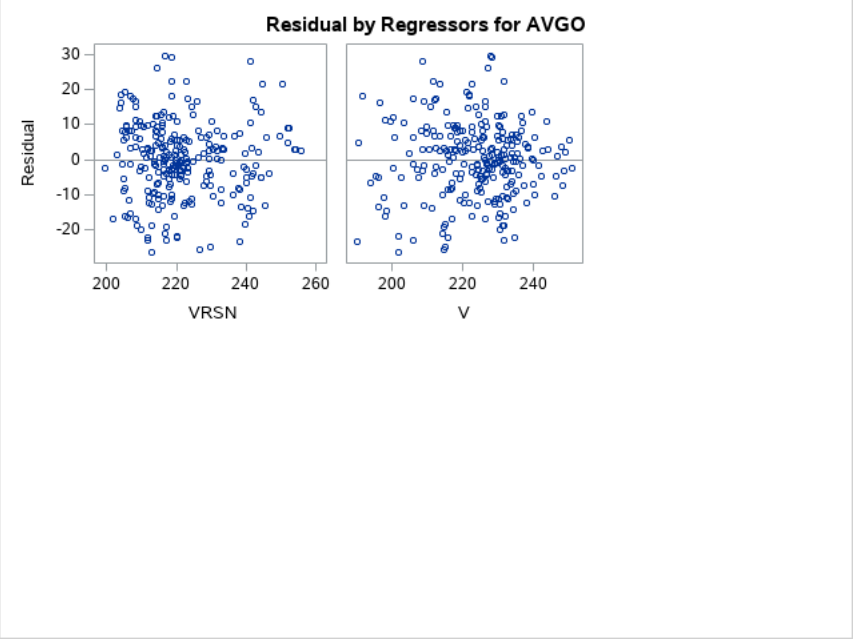
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	62.52348	44.05072	1.42	0.1571	0
CDW	CDW	1	-1.14368	0.12183	-9.39	<.0001	3.84955
DXC	DXC	1	-5.24423	0.41347	-12.68	<.0001	4.03196
HPE	HPE	1	-6.59147	1.32559	-4.97	<.0001	3.82284
MCHP	MCHP	1	5.49267	0.37676	14.58	<.0001	7.97429
MU	MU	1	0.80075	0.20231	3.96	<.0001	5.08525
MPWR	MPWR	1	0.08917	0.02909	3.07	0.0024	8.42600
NLOK	NLOK	1	4.11510	0.56603	7.27	<.0001	2.60040
ORCL	ORCL	1	0.36316	0.25161	1.44	0.1502	6.47163
PAYX	PAYX	1	4.26560	0.19961	21.37	<.0001	8.90507
QCOM	QCOM	1	0.44783	0.10271	4.36	<.0001	8.13278
CRM	CRM	1	-0.53715	0.06485	-8.28	<.0001	7.23544
TXN	TXN	1	-1.46081	0.22131	-6.60	<.0001	6.63136
VRSN	VRSN	1	-0.46439	0.11213	-4.14	<.0001	3.89462
V	V	1	1.09465	0.12040	9.09	<.0001	4.59609

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 15
Error DF 238
MSE 119.84
R-Square 0.9712
Adj R-Square 0.9695


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
Residual
MCHP
MU
MPWR





The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	13	961778	73983	614.57	<.0001
Error	239	28771	120.38243		
Corrected Total	252	990550			

Root MSE	10.97189	R-Square	0.9710
Dependent Mean	526.14447	Adj R-Sq	0.9694
Coeff Var	2.08534		

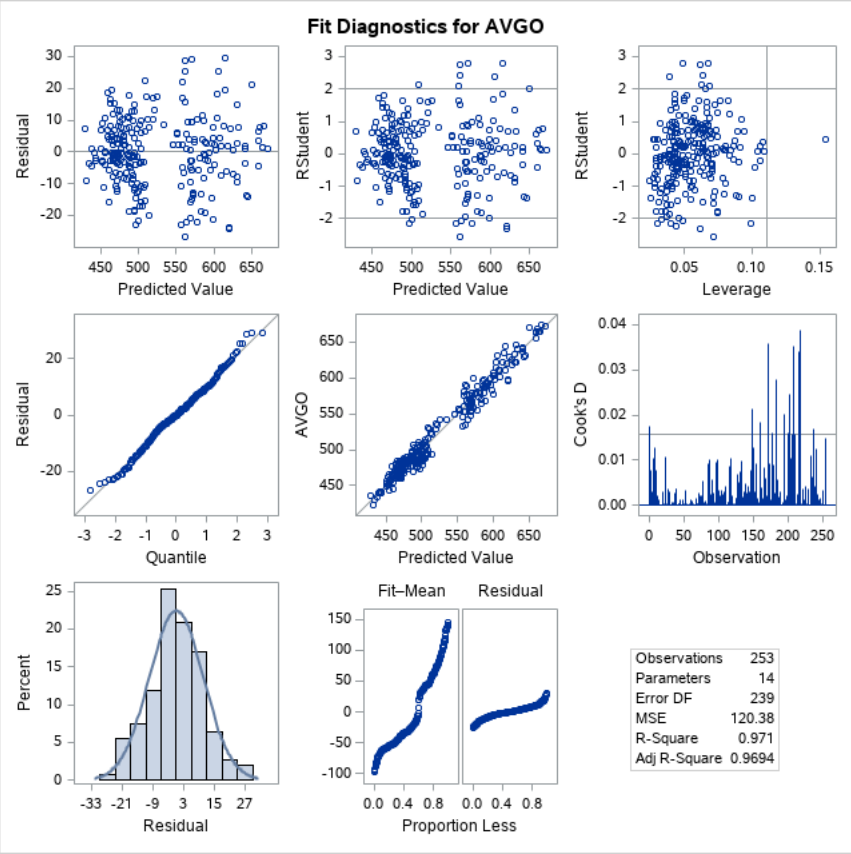
Parameter Estimates

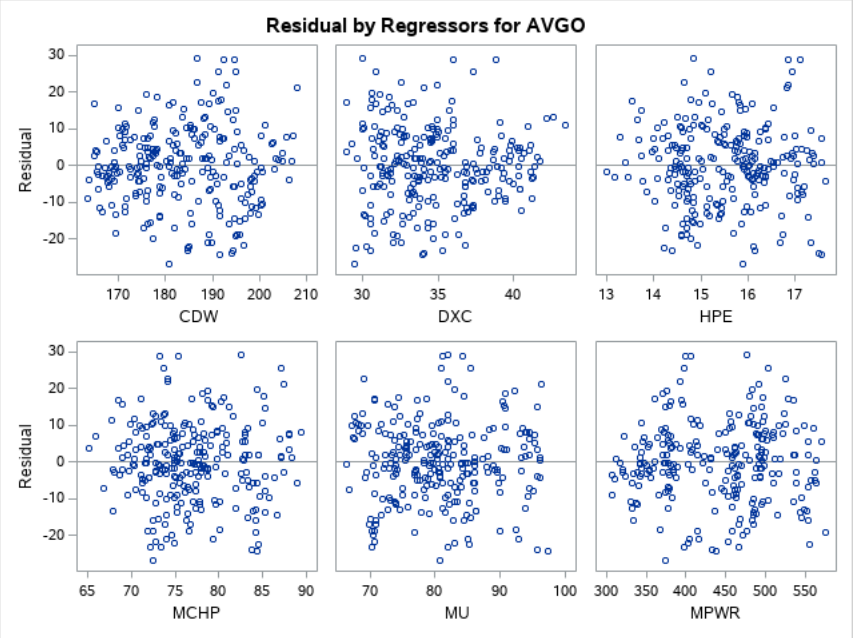
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	Intercept	1	68.46225	43.95742	1.56	0.1207	0
CDW	CDW	1	-1.12475	0.12139	-9.27	<.0001	3.80494

Parameter Estimates

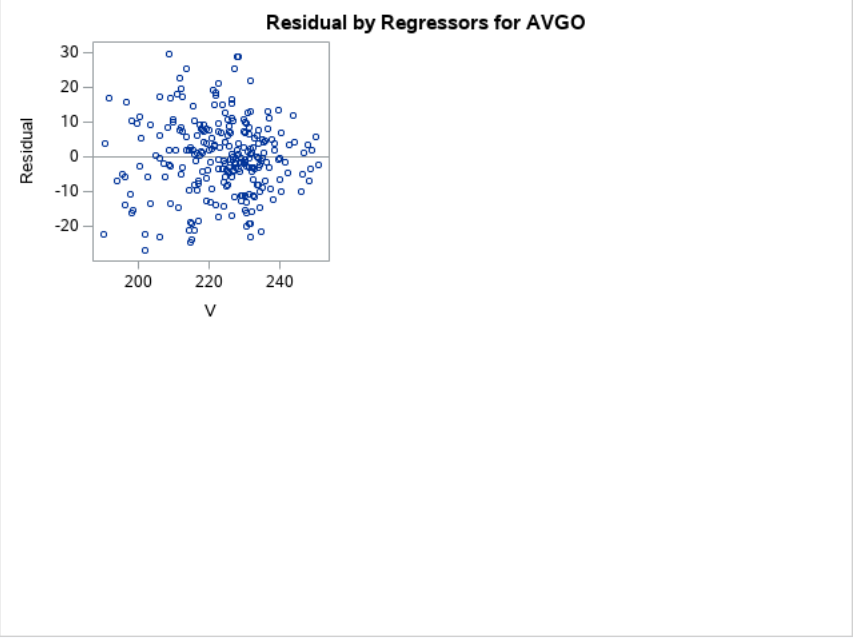
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
DXC	DXC	1	-5.15721	0.40997	-12.58	<.0001	3.94623
HPE	HPE	1	-6.77160	1.32269	-5.12	<.0001	3.78896
MCHP	MCHP	1	5.49275	0.37761	14.55	<.0001	7.97429
MU	MU	1	0.71827	0.19451	3.69	0.0003	4.67952
MPWR	MPWR	1	0.08390	0.02892	2.90	0.0041	8.29349
NLOK	NLOK	1	3.97167	0.55850	7.11	<.0001	2.52026
PAYX	PAYX	1	4.37650	0.18464	23.70	<.0001	7.58550
QCOM	QCOM	1	0.47006	0.10178	4.62	<.0001	7.94997
CRM	CRM	1	-0.49334	0.05744	-8.59	<.0001	5.65037
TXN	TXN	1	-1.41617	0.21964	-6.45	<.0001	6.50185
VRSN	VRSN	1	-0.46837	0.11235	-4.17	<.0001	3.89226
V	V	1	1.09359	0.12067	9.06	<.0001	4.59591

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NLOK
PAYX
QCOM
CRM
TXN
VRSN


Residual by Regressors for AVGO
Residual
V

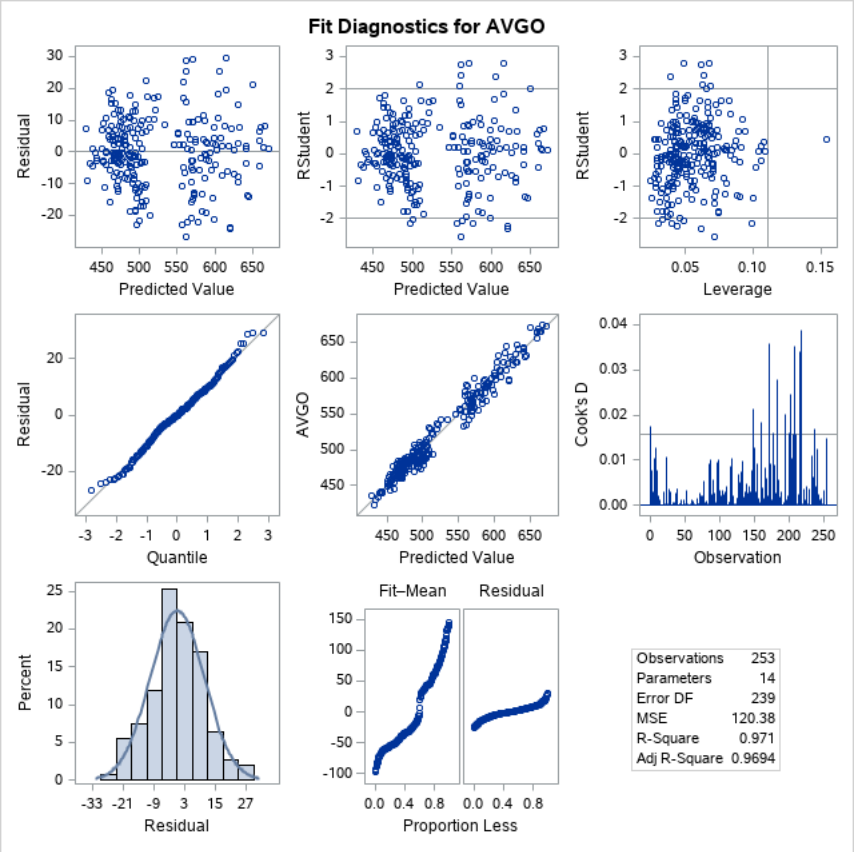
The REG Procedure
Model: MODEL1
Dependent Variable: AVGO

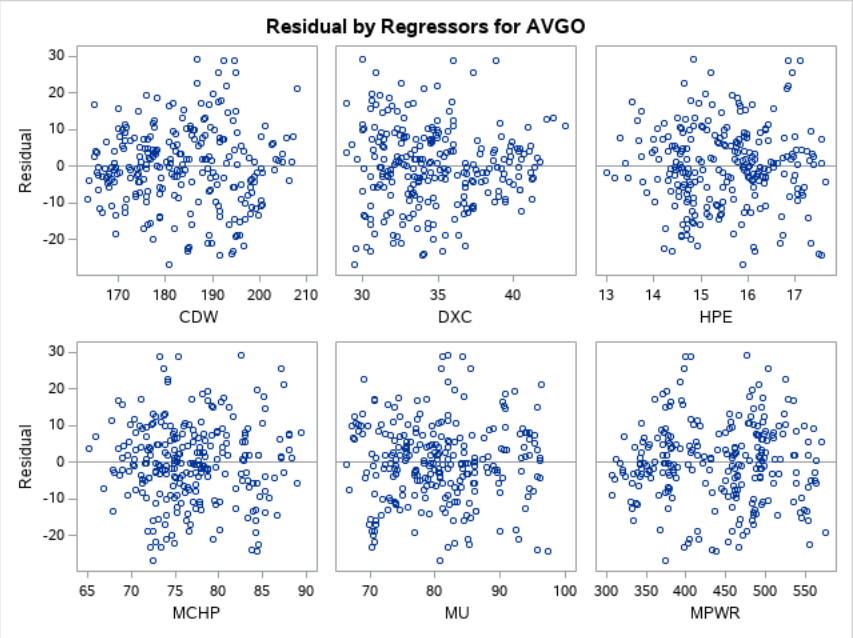
R-Square Selection Method

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

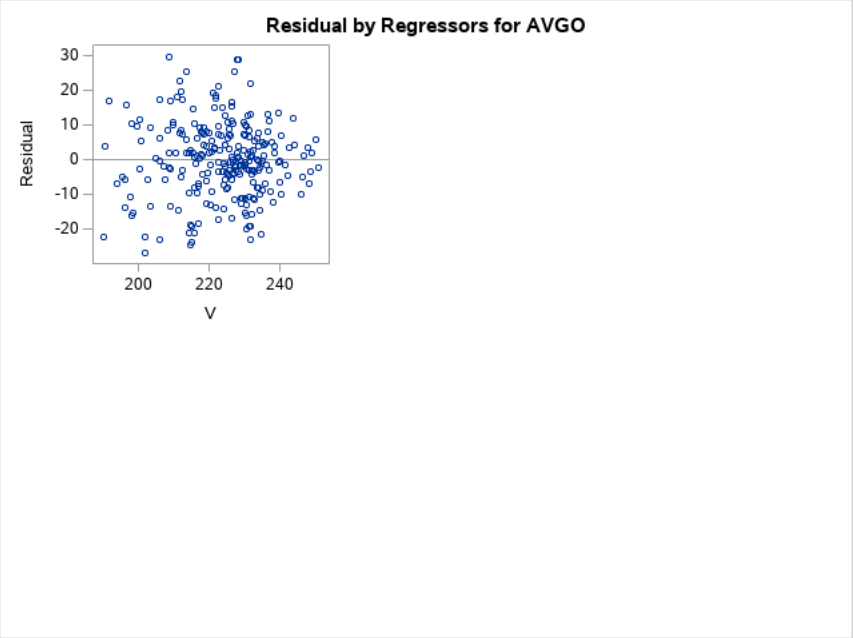
Number in Model	R-Square	Variables in Model
1	0.7373	PAYX
2	0.8833	MU PAYX
3	0.9179	MCHP PAYX CRM
4	0.9351	MCHP PAYX CRM TXN
5	0.9449	DXC MCHP PAYX CRM TXN
6	0.9510	DXC MCHP MU NLOK PAYX CRM
7	0.9534	CDW DXC MCHP PAYX CRM TXN V
8	0.9581	CDW DXC MCHP NLOK PAYX QCOM CRM V
9	0.9629	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM V
10	0.9665	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN V
11	0.9681	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN V
12	0.9699	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
13	0.9710	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NLOK
PAYX
QCOM
CRM
TXN
VRSN


Residual by Regressors for AVGO
Residual
V

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO

Adjusted R-Square Selection Method

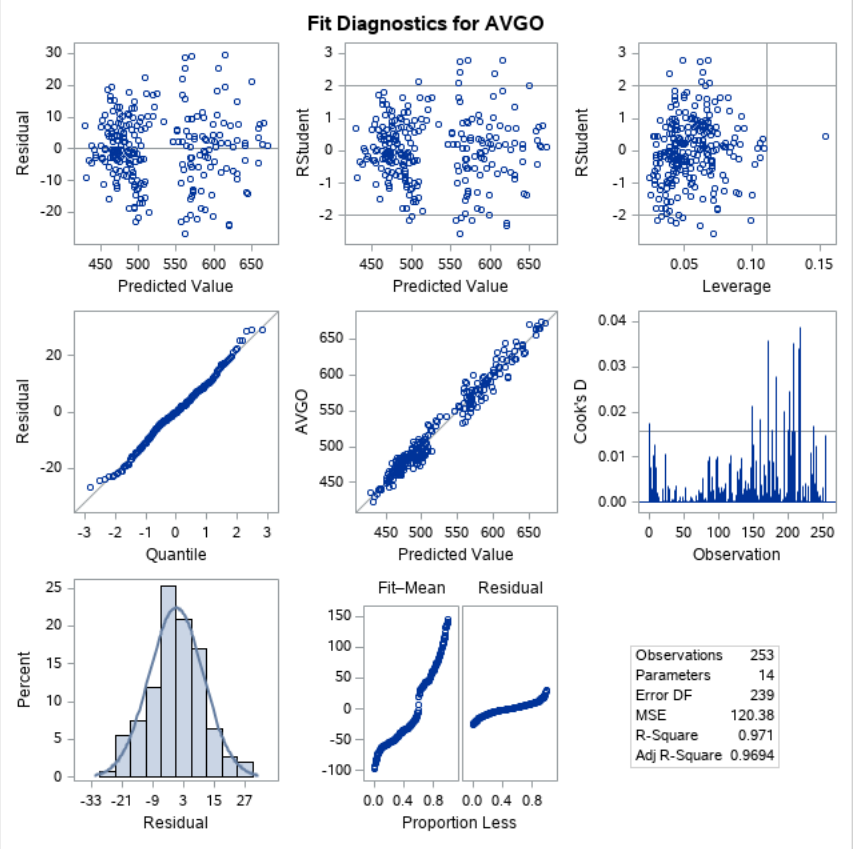
Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

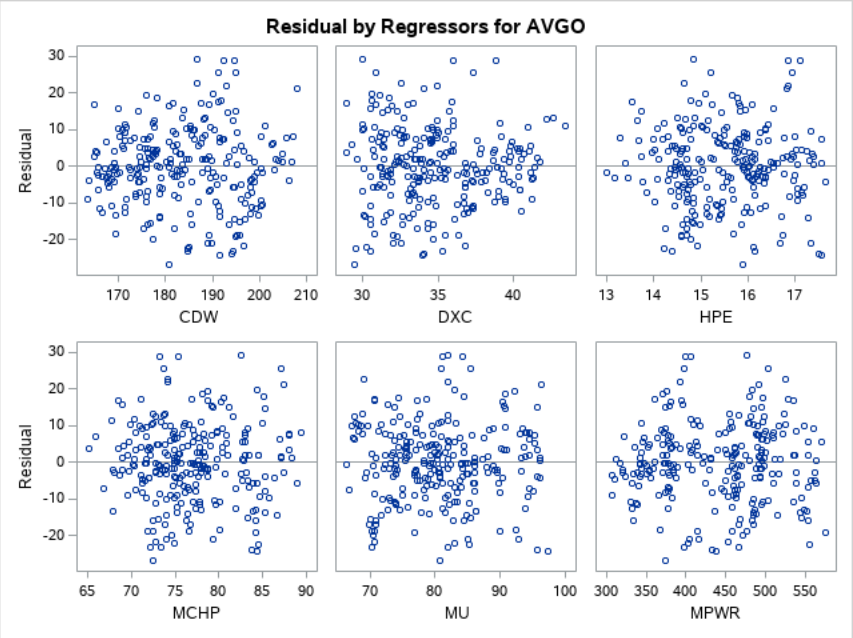
Number in Model	Adjusted R-Square	R-Square	Variables in Model
13	0.9694	0.9710	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
12	0.9684	0.9699	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
12	0.9678	0.9693	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
12	0.9673	0.9688	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
12	0.9668	0.9684	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
11	0.9667	0.9681	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN V
11	0.9663	0.9677	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN V
12	0.9662	0.9678	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
11	0.9658	0.9673	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN V
11	0.9657	0.9672	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN V
11	0.9657	0.9672	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
11	0.9655	0.9670	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
10	0.9652	0.9665	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN V
12	0.9642	0.9659	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
11	0.9634	0.9650	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
11	0.9632	0.9648	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN V
11	0.9631	0.9647	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
12	0.9630	0.9648	CDW DXC HPE MCHP MU MPWR PAYX QCOM CRM TXN VRSN V
11	0.9628	0.9644	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM VRSN V
10	0.9627	0.9642	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN V
10	0.9626	0.9641	CDW DXC MCHP NLOK PAYX QCOM CRM TXN VRSN V
11	0.9626	0.9642	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
11	0.9625	0.9642	CDW DXC HPE MCHP MPWR PAYX QCOM CRM TXN VRSN V
11	0.9625	0.9641	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM VRSN V
10	0.9625	0.9640	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM V
11	0.9625	0.9641	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM V
11	0.9624	0.9641	CDW DXC HPE MCHP MU PAYX QCOM CRM TXN VRSN V
10	0.9624	0.9639	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN V
10	0.9624	0.9638	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN V
10	0.9623	0.9638	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM VRSN V
10	0.9618	0.9633	CDW DXC HPE MCHP PAYX QCOM CRM TXN VRSN V
10	0.9618	0.9633	CDW DXC HPE MCHP MPWR NLOK PAYX CRM TXN V
11	0.9617	0.9634	CDW DXC HPE MCHP MPWR NLOK PAYX CRM TXN VRSN V
9	0.9615	0.9629	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM V
10	0.9613	0.9629	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM V
11	0.9610	0.9627	CDW DXC HPE MCHP MU MPWR PAYX QCOM CRM TXN V
10	0.9609	0.9625	CDW DXC HPE MCHP NLOK PAYX QCOM CRM VRSN V
10	0.9609	0.9624	CDW DXC HPE MCHP MPWR PAYX QCOM CRM TXN V
11	0.9608	0.9625	CDW DXC HPE MCHP MU MPWR PAYX CRM TXN VRSN V
10	0.9607	0.9623	CDW DXC MCHP MU NLOK PAYX QCOM CRM VRSN V
10	0.9605	0.9621	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN V
10	0.9603	0.9619	CDW DXC HPE MCHP NLOK PAYX CRM TXN VRSN V
9	0.9603	0.9617	CDW DXC MCHP NLOK PAYX QCOM CRM TXN V
10	0.9601	0.9617	CDW DXC HPE MCHP MU PAYX CRM TXN VRSN V
12	0.9601	0.9620	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM TXN VRSN V
11	0.9600	0.9617	CDW DXC HPE MCHP MU NLOK PAYX QCOM TXN VRSN V
10	0.9599	0.9615	CDW DXC MCHP MPWR PAYX QCOM CRM TXN VRSN V
11	0.9598	0.9616	CDW DXC MCHP MU MPWR PAYX QCOM CRM TXN VRSN V
9	0.9598	0.9613	CDW DXC MCHP NLOK PAYX QCOM CRM VRSN V
10	0.9598	0.9614	CDW DXC HPE MCHP MU MPWR PAYX CRM TXN V
9	0.9595	0.9610	CDW DXC MCHP MPWR PAYX QCOM CRM TXN V
10	0.9595	0.9611	CDW DXC MCHP MU MPWR PAYX QCOM CRM TXN V
9	0.9593	0.9608	CDW DXC HPE MCHP NLOK PAYX CRM TXN V
10	0.9592	0.9608	CDW DXC MCHP MPWR NLOK PAYX CRM TXN VRSN V
9	0.9591	0.9606	CDW DXC MCHP MPWR NLOK PAYX CRM TXN V
11	0.9590	0.9608	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN
12	0.9590	0.9610	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN
10	0.9588	0.9605	CDW DXC MCHP MU NLOK PAYX CRM TXN VRSN V
11	0.9587	0.9605	DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
12	0.9585	0.9605	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
10	0.9583	0.9600	DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN V
11	0.9582	0.9600	DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
9	0.9582	0.9597	CDW DXC MCHP MU NLOK PAYX CRM TXN V

Number in Model	Adjusted R-Square	R-Square	Variables in Model
10	0.9580	0.9597	CDW DXC HPE MCHP MPWR PAYX CRM TXN VRSN V
9	0.9579	0.9594	CDW DXC HPE MCHP MPWR PAYX CRM TXN V
10	0.9578	0.9595	CDW DXC HPE MCHP MU PAYX QCOM CRM TXN V
9	0.9577	0.9592	CDW DXC HPE MCHP PAYX QCOM CRM TXN V
10	0.9577	0.9594	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM V
11	0.9577	0.9595	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN
10	0.9576	0.9593	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN
11	0.9575	0.9594	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
10	0.9575	0.9592	DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN V
9	0.9575	0.9590	CDW DXC MCHP PAYX QCOM CRM TXN VRSN V
10	0.9574	0.9591	CDW DXC MCHP MU PAYX QCOM CRM TXN VRSN V
11	0.9574	0.9592	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM VRSN
11	0.9573	0.9592	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN
9	0.9573	0.9589	CDW DXC MCHP MU NLOK PAYX QCOM CRM V
11	0.9572	0.9591	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN
10	0.9571	0.9588	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM VRSN
9	0.9571	0.9586	CDW DXC HPE MCHP MU PAYX CRM TXN V
10	0.9570	0.9587	CDW DXC MCHP MU NLOK PAYX QCOM TXN VRSN V
11	0.9570	0.9589	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM VRSN V
9	0.9570	0.9585	CDW DXC HPE MCHP PAYX CRM TXN VRSN V
10	0.9569	0.9586	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM V
11	0.9569	0.9588	CDW DXC MCHP MU MPWR NLOK PAYX QCOM TXN VRSN V
9	0.9568	0.9584	DXC HPE MCHP MU NLOK PAYX CRM TXN V
10	0.9568	0.9585	DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN V
9	0.9568	0.9584	CDW DXC MCHP MU MPWR PAYX CRM TXN V
9	0.9568	0.9583	CDW DXC HPE MCHP NLOK PAYX QCOM CRM V
10	0.9567	0.9584	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM VRSN
11	0.9567	0.9586	DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
11	0.9567	0.9586	CDW DXC HPE MCHP MU MPWR NLOK PAYX TXN VRSN V
8	0.9567	0.9581	CDW DXC MCHP NLOK PAYX QCOM CRM V
10	0.9567	0.9584	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN
10	0.9566	0.9584	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN
10	0.9566	0.9584	CDW DXC MCHP MU MPWR PAYX CRM TXN VRSN V
10	0.9566	0.9583	CDW DXC HPE MCHP MU NLOK PAYX TXN VRSN V
10	0.9566	0.9583	DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
9	0.9565	0.9581	CDW DXC MCHP MU MPWR NLOK PAYX CRM V
10	0.9565	0.9582	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN VRSN
10	0.9563	0.9581	CDW DXC MCHP MU MPWR NLOK PAYX CRM VRSN V
10	0.9562	0.9580	DXC MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
9	0.9560	0.9576	DXC MCHP MU MPWR NLOK PAYX CRM TXN V
11	0.9560	0.9579	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN
10	0.9560	0.9577	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN
10	0.9559	0.9576	DXC MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
9	0.9558	0.9574	CDW DXC MCHP MU NLOK PAYX QCOM CRM VRSN
9	0.9558	0.9574	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM
10	0.9558	0.9575	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM
8	0.9557	0.9571	CDW DXC HPE MCHP PAYX CRM TXN V
10	0.9557	0.9575	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN
8	0.9556	0.9571	CDW DXC MCHP NLOK PAYX CRM TXN V
9	0.9556	0.9572	CDW DXC MCHP NLOK PAYX CRM TXN VRSN V
11	0.9555	0.9575	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
10	0.9555	0.9573	DXC HPE MCHP MU NLOK PAYX QCOM CRM VRSN V
9	0.9554	0.9570	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN
10	0.9554	0.9571	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN
9	0.9553	0.9569	DXC MCHP MU NLOK PAYX QCOM CRM TXN V
9	0.9553	0.9569	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN
8	0.9553	0.9568	CDW DXC MCHP PAYX QCOM CRM TXN V
10	0.9553	0.9571	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN VRSN
9	0.9552	0.9568	CDW DXC MCHP MU PAYX QCOM CRM TXN V
8	0.9552	0.9566	CDW DXC MCHP MPWR PAYX CRM TXN V
10	0.9552	0.9569	DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN V
10	0.9552	0.9569	DXC MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
9	0.9551	0.9567	CDW DXC MCHP MPWR PAYX CRM TXN VRSN V
10	0.9551	0.9569	CDW DXC HPE MCHP MU PAYX QCOM CRM TXN VRSN
10	0.9551	0.9569	CDW DXC HPE MCHP MU NLOK PAYX CRM VRSN V
11	0.9550	0.9570	CDW DXC HPE MCHP MU MPWR PAYX QCOM CRM TXN VRSN
11	0.9550	0.9570	DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
10	0.9550	0.9568	DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN
10	0.9550	0.9567	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN
9	0.9549	0.9566	DXC MCHP MU NLOK PAYX CRM TXN VRSN V
9	0.9549	0.9565	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN
9	0.9548	0.9564	CDW DXC MCHP NLOK PAYX QCOM CRM TXN VRSN
11	0.9548	0.9568	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN
9	0.9547	0.9564	DXC MCHP MU MPWR NLOK PAYX QCOM CRM V
9	0.9547	0.9563	DXC MCHP MU NLOK PAYX QCOM CRM VRSN V

Number in Model	Adjusted R-Square	R-Square	Variables in Model
8	0.9547	0.9561	DXC MCHP MU NLOK PAYX CRM TXN V
10	0.9547	0.9565	DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN V
10	0.9547	0.9565	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM V
9	0.9547	0.9563	DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN
9	0.9546	0.9562	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN
9	0.9545	0.9561	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM VRSN
10	0.9545	0.9563	DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN
10	0.9545	0.9563	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM VRSN
9	0.9544	0.9560	DXC MCHP MPWR NLOK PAYX QCOM CRM TXN V
10	0.9544	0.9562	DXC MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
9	0.9543	0.9560	DXC HPE MCHP NLOK PAYX QCOM CRM TXN V
9	0.9542	0.9559	CDW DXC HPE MCHP NLOK PAYX QCOM CRM VRSN
9	0.9542	0.9558	DXC MCHP NLOK PAYX QCOM CRM TXN VRSN V
9	0.9540	0.9556	CDW DXC MCHP MU NLOK PAYX CRM TXN VRSN
8	0.9539	0.9554	CDW DXC MCHP NLOK PAYX QCOM CRM VRSN
9	0.9538	0.9555	CDW DXC HPE MCHP MU PAYX CRM TXN VRSN
10	0.9538	0.9556	CDW DXC HPE MCHP MU MPWR PAYX CRM TXN VRSN
9	0.9538	0.9554	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN
8	0.9538	0.9552	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

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Residual by Regressors for AVGO
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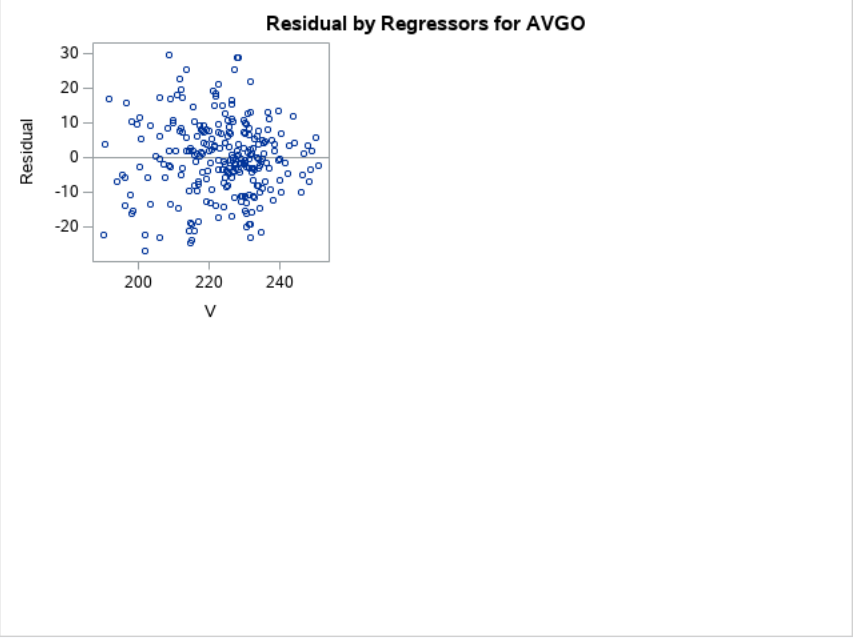
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The REG Procedure
Model: MODEL1
Dependent Variable: AVGO

C(p) Selection Method

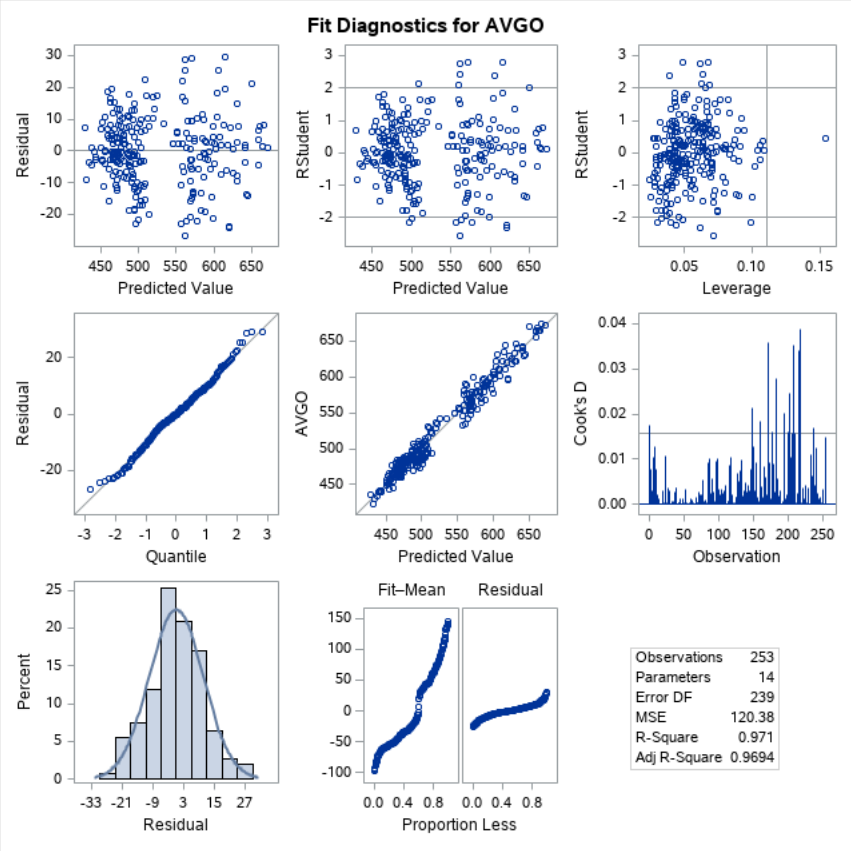
Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

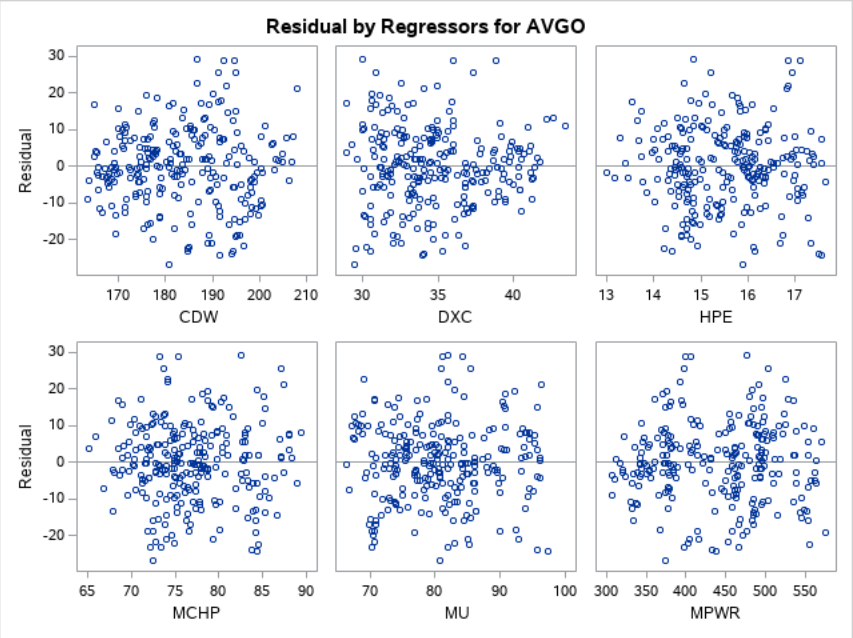
Number in Model	C(p)	R-Square	Variables in Model
13	14.0000	0.9710	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
12	20.4151	0.9699	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
12	25.6359	0.9693	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
12	29.3794	0.9688	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
11	33.1430	0.9681	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN V
12	33.3293	0.9684	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
11	36.4782	0.9677	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN V
12	38.2098	0.9678	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
11	40.2162	0.9673	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN V
11	40.6099	0.9672	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN V
11	40.8449	0.9672	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
11	42.3436	0.9670	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
10	44.2623	0.9665	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN V
12	53.5738	0.9659	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
11	58.7413	0.9650	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
11	60.3756	0.9648	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN V
11	61.5378	0.9647	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
12	62.5701	0.9648	CDW DXC HPE MCHP MU MPWR PAYX QCOM CRM TXN VRSN V
10	63.6563	0.9642	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN V
11	64.0382	0.9644	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM VRSN V
10	64.6046	0.9641	CDW DXC MCHP NLOK PAYX QCOM CRM TXN VRSN V
10	65.3433	0.9640	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM V
11	65.6549	0.9642	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
11	65.8710	0.9642	CDW DXC HPE MCHP MPWR PAYX QCOM CRM TXN VRSN V
10	66.0163	0.9639	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN V
11	66.0660	0.9641	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM VRSN V
11	66.2471	0.9641	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM V
10	66.4755	0.9638	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN V
11	66.5431	0.9641	CDW DXC HPE MCHP MU PAYX QCOM CRM TXN VRSN V
10	66.8056	0.9638	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM VRSN V
10	70.6008	0.9633	CDW DXC HPE MCHP PAYX QCOM CRM TXN VRSN V
10	70.7533	0.9633	CDW DXC HPE MCHP MPWR NLOK PAYX CRM TXN V
11	72.0818	0.9634	CDW DXC HPE MCHP MPWR NLOK PAYX CRM TXN VRSN V
9	72.5001	0.9629	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM V
10	74.4091	0.9629	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM V
11	77.5207	0.9627	CDW DXC HPE MCHP MU MPWR PAYX QCOM CRM TXN V
10	77.9557	0.9625	CDW DXC HPE MCHP NLOK PAYX QCOM CRM VRSN V
10	78.0983	0.9624	CDW DXC HPE MCHP MPWR PAYX QCOM CRM TXN V
10	79.3217	0.9623	CDW DXC MCHP MU NLOK PAYX QCOM CRM VRSN V
11	79.5462	0.9625	CDW DXC HPE MCHP MU MPWR PAYX CRM TXN VRSN V
10	80.8602	0.9621	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN V
9	82.1030	0.9617	CDW DXC MCHP NLOK PAYX QCOM CRM TXN V
10	82.3135	0.9619	CDW DXC HPE MCHP NLOK PAYX CRM TXN VRSN V
10	84.2661	0.9617	CDW DXC HPE MCHP MU PAYX CRM TXN VRSN V
12	85.7764	0.9620	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM TXN VRSN V
11	85.8170	0.9617	CDW DXC HPE MCHP MU NLOK PAYX QCOM TXN VRSN V
9	85.8356	0.9613	CDW DXC MCHP NLOK PAYX QCOM CRM VRSN V
10	86.0009	0.9615	CDW DXC MCHP MPWR PAYX QCOM CRM TXN VRSN V
10	86.5759	0.9614	CDW DXC HPE MCHP MU MPWR PAYX CRM TXN V
11	86.9928	0.9616	CDW DXC MCHP MU MPWR PAYX QCOM CRM TXN VRSN V
9	88.0750	0.9610	CDW DXC MCHP MPWR PAYX QCOM CRM TXN V
10	89.3409	0.9611	CDW DXC MCHP MU MPWR PAYX QCOM CRM TXN V
9	89.8661	0.9608	CDW DXC HPE MCHP NLOK PAYX CRM TXN V
10	91.3064	0.9608	CDW DXC MCHP MPWR NLOK PAYX CRM TXN VRSN V
9	91.6058	0.9606	CDW DXC MCHP MPWR NLOK PAYX CRM TXN V
11	93.3940	0.9608	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN
12	94.1359	0.9610	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN
10	94.3563	0.9605	CDW DXC MCHP MU NLOK PAYX CRM TXN VRSN V
11	96.1028	0.9605	DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
12	97.8480	0.9605	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
10	98.4172	0.9600	DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN V
9	98.7059	0.9597	CDW DXC MCHP MU NLOK PAYX CRM TXN V
11	99.8662	0.9600	DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN V

Number in Model	C(p)	R-Square	Variables in Model
9	100.7985	0.9594	CDW DXC HPE MCHP MPWR PAYX CRM TXN V
10	100.9415	0.9597	CDW DXC HPE MCHP MPWR PAYX CRM TXN VRSN V
10	102.5611	0.9595	CDW DXC HPE MCHP MU PAYX QCOM CRM TXN V
9	102.6800	0.9592	CDW DXC HPE MCHP PAYX QCOM CRM TXN V
10	103.4080	0.9594	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM V
10	103.9006	0.9593	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN
11	104.1377	0.9595	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN
9	104.4916	0.9590	CDW DXC MCHP PAYX QCOM CRM TXN VRSN V
10	104.8097	0.9592	DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN V
11	105.2583	0.9594	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
9	105.5903	0.9589	CDW DXC MCHP MU NLOK PAYX QCOM CRM V
10	105.7523	0.9591	CDW DXC MCHP MU PAYX QCOM CRM TXN VRSN V
11	106.5502	0.9592	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM VRSN
11	106.7379	0.9592	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN
11	107.5837	0.9591	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN
9	107.6924	0.9586	CDW DXC HPE MCHP MU PAYX CRM TXN V
10	107.7548	0.9588	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM VRSN
9	108.1305	0.9585	CDW DXC HPE MCHP PAYX CRM TXN VRSN V
10	108.6794	0.9587	CDW DXC MCHP MU NLOK PAYX QCOM TXN VRSN V
11	109.3000	0.9589	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM VRSN V
10	109.3029	0.9586	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM V
9	109.5712	0.9584	DXC HPE MCHP MU NLOK PAYX CRM TXN V
9	109.6685	0.9584	CDW DXC MCHP MU MPWR PAYX CRM TXN V
8	109.8330	0.9581	CDW DXC MCHP NLOK PAYX QCOM CRM V
9	109.9652	0.9583	CDW DXC HPE MCHP NLOK PAYX QCOM CRM V
11	110.1941	0.9588	CDW DXC MCHP MU MPWR NLOK PAYX QCOM TXN VRSN V
10	110.2443	0.9585	DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN V
10	110.9493	0.9584	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM VRSN
10	111.0560	0.9584	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN
11	111.5892	0.9586	DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V
11	111.5928	0.9586	CDW DXC HPE MCHP MU MPWR NLOK PAYX TXN VRSN V
10	111.6014	0.9584	CDW DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN
10	111.6627	0.9584	CDW DXC MCHP MU MPWR PAYX CRM TXN VRSN V
10	111.7186	0.9583	CDW DXC HPE MCHP MU NLOK PAYX TXN VRSN V
10	111.8971	0.9583	DXC MCHP MU MPWR NLOK PAYX QCOM CRM TXN V
9	112.0303	0.9581	CDW DXC MCHP MU MPWR NLOK PAYX CRM V
10	112.9281	0.9582	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN VRSN
10	113.9890	0.9581	CDW DXC MCHP MU MPWR NLOK PAYX CRM VRSN V
10	114.8857	0.9580	DXC MCHP MU NLOK PAYX QCOM CRM TXN VRSN V
9	115.7864	0.9576	DXC MCHP MU MPWR NLOK PAYX CRM TXN V
10	116.9087	0.9577	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN
9	117.3754	0.9574	CDW DXC MCHP MU NLOK PAYX QCOM CRM VRSN
11	117.4031	0.9579	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN
9	117.4942	0.9574	CDW DXC MCHP MU MPWR NLOK PAYX QCOM CRM
10	117.5761	0.9576	DXC MCHP MU MPWR NLOK PAYX CRM TXN VRSN V
8	117.8208	0.9571	CDW DXC HPE MCHP PAYX CRM TXN V
8	118.3873	0.9571	CDW DXC MCHP NLOK PAYX CRM TXN V
10	118.6470	0.9575	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM
10	119.0139	0.9575	CDW DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN
9	119.5275	0.9572	CDW DXC MCHP NLOK PAYX CRM TXN VRSN V
10	120.4047	0.9573	DXC HPE MCHP MU NLOK PAYX QCOM CRM VRSN V
8	120.8090	0.9568	CDW DXC MCHP PAYX QCOM CRM TXN V
11	120.8649	0.9575	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
9	120.9626	0.9570	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN
9	121.3246	0.9569	DXC MCHP MU NLOK PAYX QCOM CRM TXN V
9	121.3355	0.9569	CDW DXC HPE MCHP MU NLOK PAYX CRM TXN
10	121.7225	0.9571	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN
8	122.0653	0.9566	CDW DXC MCHP MPWR PAYX CRM TXN V
10	122.1282	0.9571	CDW DXC MCHP MU MPWR NLOK PAYX CRM TXN VRSN
9	122.5990	0.9568	CDW DXC MCHP MU PAYX QCOM CRM TXN V
9	122.9745	0.9567	CDW DXC MCHP MPWR PAYX CRM TXN VRSN V
10	123.3525	0.9569	DXC HPE MCHP NLOK PAYX QCOM CRM TXN VRSN V
10	123.3879	0.9569	DXC MCHP MU MPWR NLOK PAYX QCOM CRM VRSN V
10	123.6343	0.9569	CDW DXC HPE MCHP MU PAYX QCOM CRM TXN VRSN
10	124.0498	0.9569	CDW DXC HPE MCHP MU NLOK PAYX CRM VRSN V
9	124.4750	0.9566	DXC MCHP MU NLOK PAYX CRM TXN VRSN V
11	124.7704	0.9570	CDW DXC HPE MCHP MU MPWR PAYX QCOM CRM TXN VRSN
9	124.7817	0.9565	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM TXN
10	124.8055	0.9568	DXC HPE MCHP MU NLOK PAYX QCOM CRM TXN VRSN
10	124.8984	0.9567	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN
11	125.0826	0.9570	DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
9	125.7534	0.9564	CDW DXC MCHP NLOK PAYX QCOM CRM TXN VRSN
8	126.0064	0.9561	DXC MCHP MU NLOK PAYX CRM TXN V
9	126.1033	0.9564	DXC MCHP MU MPWR NLOK PAYX QCOM CRM V
9	126.3138	0.9563	DXC MCHP MU NLOK PAYX QCOM CRM VRSN V

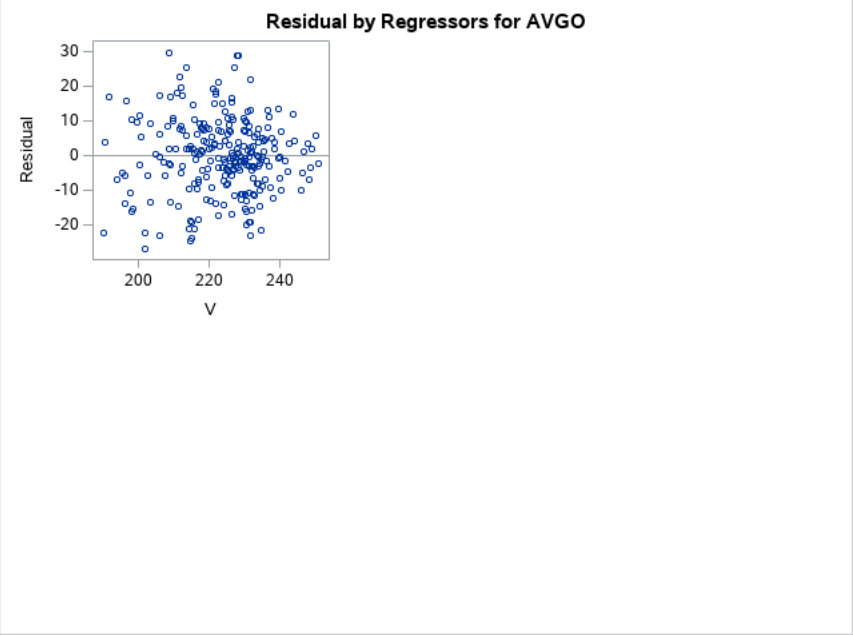
Number in Model	C(p)	R-Square	Variables in Model
9	126.7883	0.9563	DXC HPE MCHP MU NLOK PAYX CRM TXN VRSN
11	126.8040	0.9568	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN
10	127.2120	0.9565	DXC HPE MCHP MPWR NLOK PAYX QCOM CRM TXN V
10	127.2646	0.9565	DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM V
9	127.4204	0.9562	CDW DXC MCHP MU NLOK PAYX QCOM CRM TXN
9	128.0589	0.9561	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM VRSN
10	128.7500	0.9563	DXC HPE MCHP MU MPWR NLOK PAYX CRM TXN VRSN
10	128.7606	0.9563	CDW DXC HPE MCHP MPWR NLOK PAYX QCOM CRM VRSN
9	128.8072	0.9560	DXC MCHP MPWR NLOK PAYX QCOM CRM TXN V
9	129.2801	0.9560	DXC HPE MCHP NLOK PAYX QCOM CRM TXN V
10	129.5533	0.9562	DXC MCHP MPWR NLOK PAYX QCOM CRM TXN VRSN V
9	130.2602	0.9559	CDW DXC HPE MCHP NLOK PAYX QCOM CRM VRSN
9	130.6131	0.9558	DXC MCHP NLOK PAYX QCOM CRM TXN VRSN V
8	132.1883	0.9554	CDW DXC MCHP NLOK PAYX QCOM CRM VRSN
9	132.1921	0.9556	CDW DXC MCHP MU NLOK PAYX CRM TXN VRSN
8	133.3436	0.9552	CDW DXC MCHP MPWR NLOK PAYX QCOM CRM
9	133.4156	0.9555	CDW DXC HPE MCHP MU PAYX CRM TXN VRSN
8	133.5664	0.9552	DXC MCHP NLOK PAYX QCOM CRM TXN V
9	133.8317	0.9554	CDW DXC HPE MCHP NLOK PAYX QCOM CRM TXN

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NLOK
PAYX
QCOM
CRM
TXN
VRSN


Residual by Regressors for AVGO
Residual
V

The GLMSELECT Procedure

Data Set	WORK.STOCKS
Dependent Variable	AVGO
Selection Method	Stepwise
Select Criterion	SBC
Stop Criterion	SBC
Choose Criterion	PRESS
Effect Hierarchy Enforced	None

Number of Observations Read	254
Number of Observations Used	253

Dimensions	
Number of Effects	14
Number of Parameters	14

The GLMSELECT Procedure

Stepwise Selection Summary					
Step	Effect Entered	Effect Removed	Number Effects In	SBC	PRESS
0	Intercept		1	2098.5077	998426.811
1	PAYX		2	1765.8885	264184.308
2	MU		3	1565.9901	117728.550
3	DXC		4	1511.1047	93531.075
4	NLOK		5	1452.3288	72920.825
5	MCHP		6	1442.5094	69144.747
6	CRM		7	1368.8425	50969.231
7	TXN		8	1361.6835	48778.527
8	V		9	1351.7840	46265.952
9	CDW		10	1335.9017	42967.499
10	MPWR		11	1311.4700	38652.990
11	HPE		12	1294.1588	35716.680
12	QCOM		13	1287.3315	34340.486
13	VRSN		14	1275.1056*	32217.511*
* Optimal Value of Criterion					

Selection stopped because all effects are in the final model.

The GLMSELECT Procedure
Selected Model

The selected model, based on PRESS, is the model at Step 13.

Effects:	Intercept CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V

Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
Model	13	961778	73983	614.57
Error	239	28771	120.38243	
Corrected Total	252	990550		

Root MSE	10.97189
Dependent Mean	526.14447
R-Square	0.9710
Adj R-Sq	0.9694
AIC	1480.63816
AICC	1482.66348
PRESS	32218
SBC	1275.10562

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	68.462247	43.957422	1.56
CDW	1	-1.124749	0.121392	-9.27
DXC	1	-5.157211	0.409972	-12.58
HPE	1	-6.771598	1.322694	-5.12
MCHP	1	5.492748	0.377613	14.55
MU	1	0.718266	0.194510	3.69
MPWR	1	0.083904	0.028924	2.90
NLOK	1	3.971672	0.558504	7.11
PAYX	1	4.376503	0.184644	23.70

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
QCOM	1	0.470060	0.101781	4.62
CRM	1	-0.493337	0.057436	-8.59
TXN	1	-1.416173	0.219638	-6.45
VRSN	1	-0.468368	0.112349	-4.17
V	1	1.093589	0.120667	9.06

The CORR Procedure

1 With Variables:	AVGO
13 Variables:	CDW DXC HPE MCHP MU MPWR NLOK PAYX QCOM CRM TXN VRSN V

Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
AVGO	253	526.14447	62.69572	133115	422.38001	674.28003	AVGO
CDW	253	183.61605	11.10618	46455	163.48000	208.13001	CDW
DXC	253	34.81000	3.34902	8807	28.95000	43.42000	DXC
HPE	253	15.50842	1.01714	3924	13.01000	17.64000	HPE
MCHP	253	76.85079	5.16869	19443	65.14000	89.35000	MCHP
MU	253	80.65763	7.68669	20406	66.38000	97.36000	MU
MPWR	253	440.05463	68.81723	111334	306.10001	575.96997	MPWR
NLOK	253	25.92518	1.96461	6559	20.82000	30.76000	NLOK
PAYX	253	114.81300	10.30951	29048	94.81000	137.38001	PAYX
QCOM	253	151.14953	19.14693	38241	122.95000	189.28000	QCOM
CRM	253	245.45170	28.60454	62099	190.53999	309.95999	CRM
TXN	253	186.65134	8.02404	47223	162.47000	201.28999	TXN
VRSN	253	221.58186	12.13703	56060	199.42999	255.92999	VRSN
V	253	223.55134	12.27947	56558	190.16000	250.92999	V

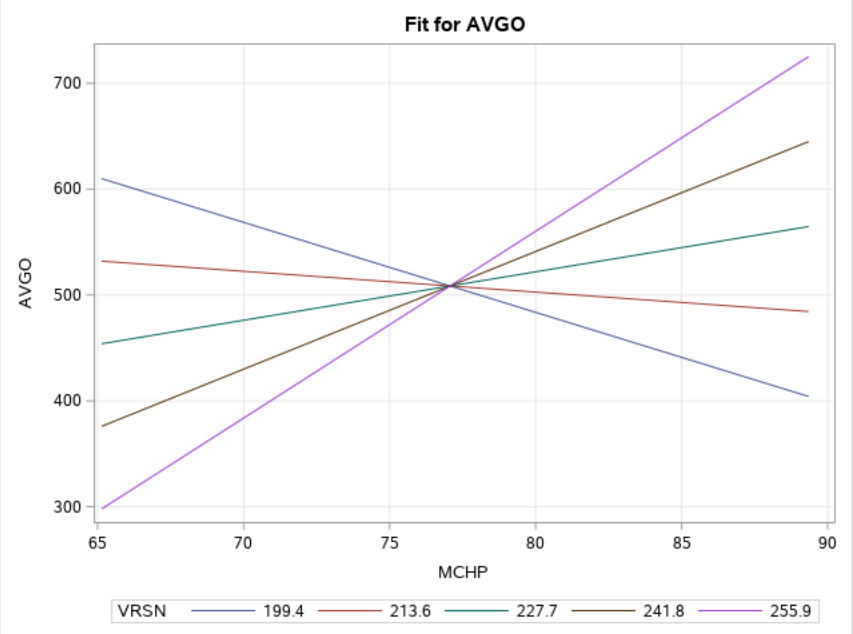
Pearson Correlation Coefficients, N = 253 Prob > |r| under H0: Rho=0													
	CDW	DXC	HPE	MCHP	MU	MPWR	NLOK	PAYX	QCOM	CRM	TXN	VRSN	V
AVGO AVGO	0.44902 <.0001	-0.49956 <.0001	0.42494 <.0001	0.46984 <.0001	0.37761 <.0001	0.51959 <.0001	0.29398 <.0001	0.85864 <.0001	0.84517 <.0001	-0.05423 0.3903	-0.26970 <.0001	0.44754 <.0001	-0.56368 <.0001

The GLM Procedure

Dependent Variable: AVGO AVGO

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	8277.530187	827.5354851	10.00	<.0001
MCHP	-100.803853	10.3901722	-9.70	<.0001
VRSN	-35.670718	3.6772839	-9.70	<.0001
MCHP*VRSN	0.462831	0.0458701	10.09	<.0001

The PLM Procedure



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

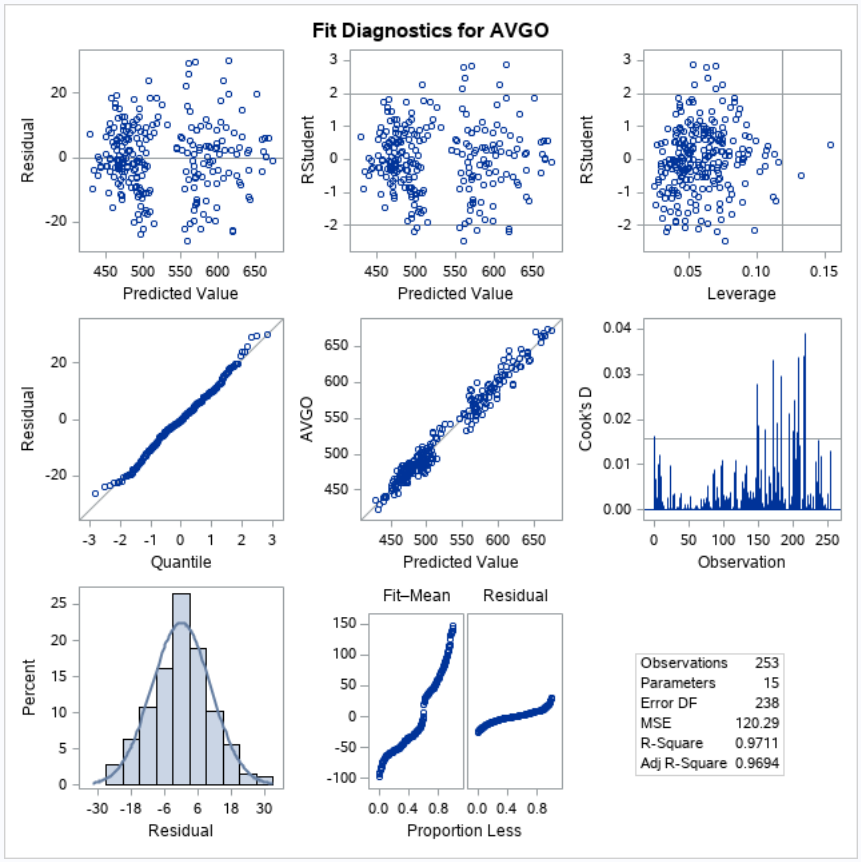
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	961921	68709	571.21	<.0001
Error	238	28628	120.28689		
Corrected Total	252	990550			

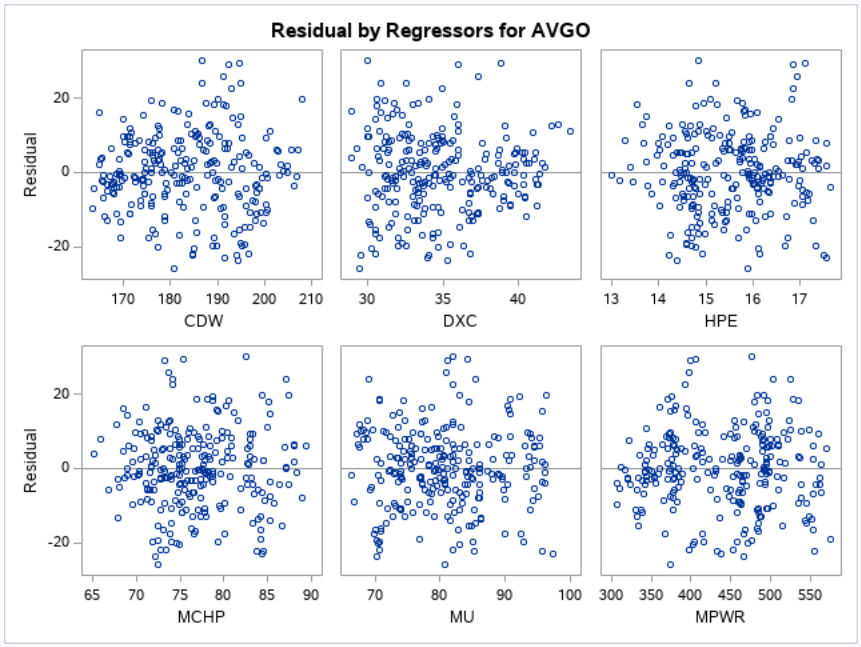
Root MSE	10.96754	R-Square	0.9711
Dependent Mean	526.14447	Adj R-Sq	0.9694
Coeff Var	2.08451		

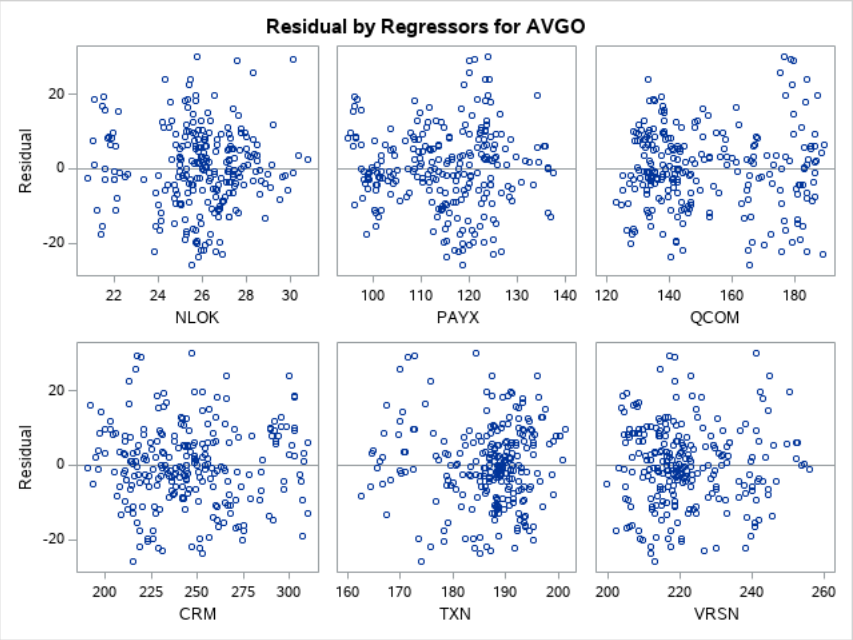
Parameter Estimates

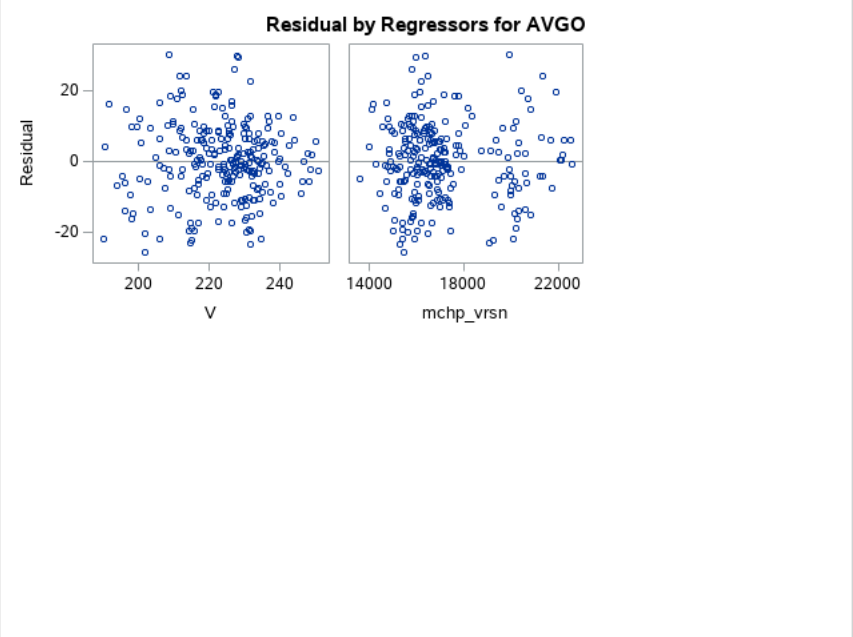
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	339.28117	252.13377	1.35	0.1797
CDW	CDW	1	-1.13826	0.12197	-9.33	<.0001
DXC	DXC	1	-5.18252	0.41047	-12.63	<.0001
HPE	HPE	1	-6.45789	1.35309	-4.77	<.0001
MCHP	MCHP	1	1.84503	3.36532	0.55	0.5840
MU	MU	1	0.69318	0.19579	3.54	0.0005
MPWR	MPWR	1	0.09054	0.02955	3.06	0.0024
NLOK	NLOK	1	4.09125	0.56894	7.19	<.0001
PAYX	PAYX	1	4.28030	0.20456	20.92	<.0001
QCOM	QCOM	1	0.48955	0.10330	4.74	<.0001
CRM	CRM	1	-0.49546	0.05745	-8.62	<.0001
TXN	TXN	1	-1.35362	0.22692	-5.97	<.0001
VRSN	VRSN	1	-1.71847	1.15153	-1.49	0.1369
V	V	1	1.11821	0.12271	9.11	<.0001
mchp_vrsn		1	0.01596	0.01463	1.09	0.2765

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 15
Error DF 238
MSE 120.29
R-Square 0.9711
Adj R-Square 0.9694


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
Residual
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
20
0
-20
22 24 26 28 30
NLOK
100 110 120 130 140
PAYX
120 140 160 180
QCOM
200 225 250 275 300
CRM
160 170 180 190 200
TXN
200 220 240 260
VRSN


Residual by Regressors for AVGO
Residual
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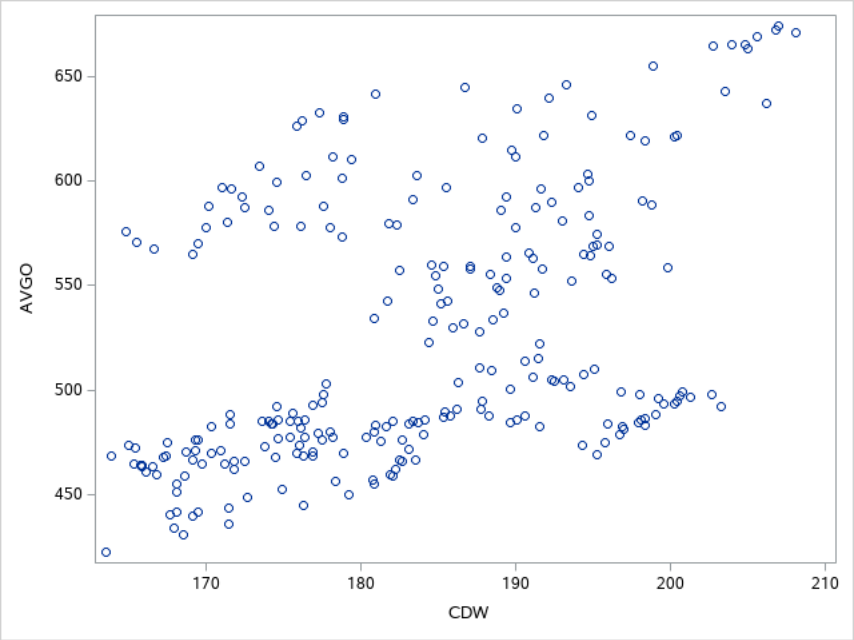
-20
200 220 240
V
14000 18000 22000
mchp_vrsn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500
450
AVGO
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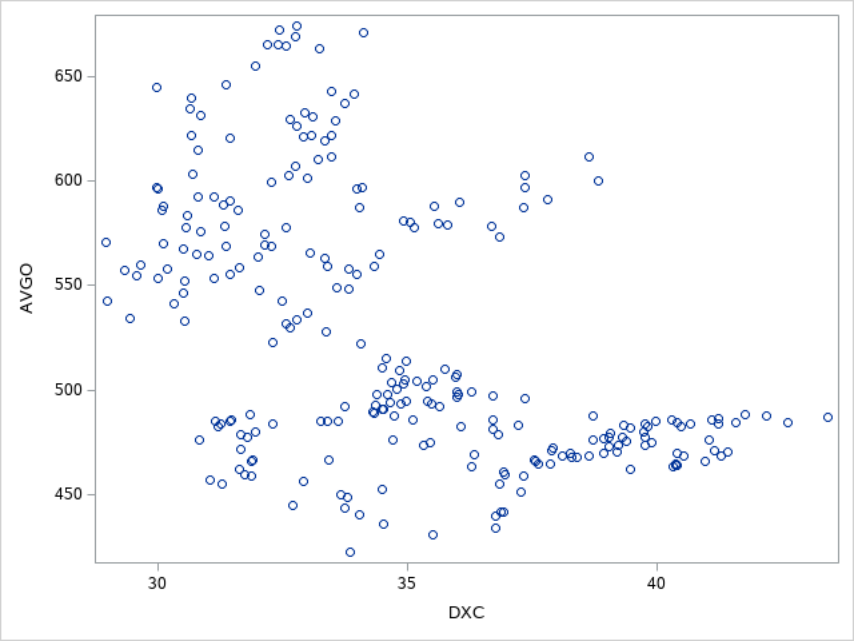
200
210
CDW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35
40
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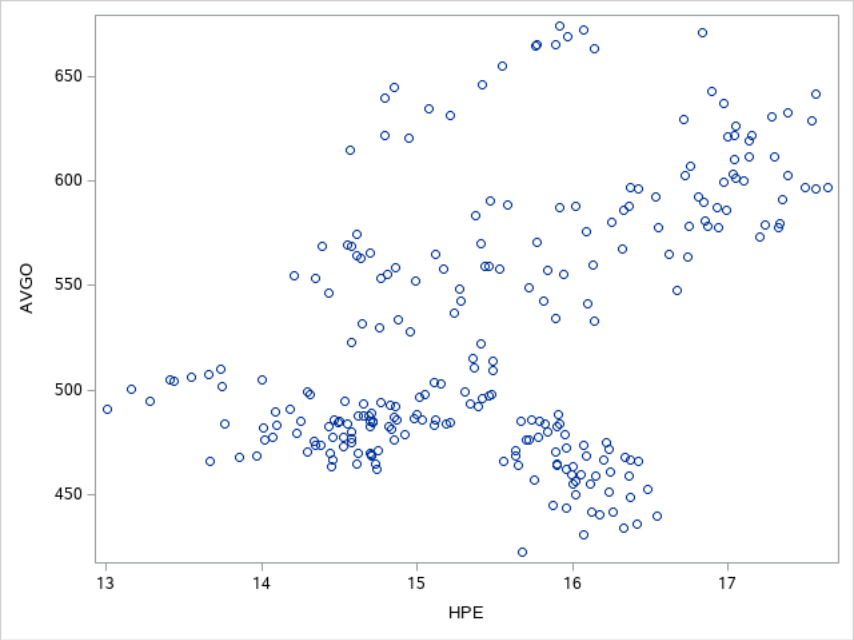
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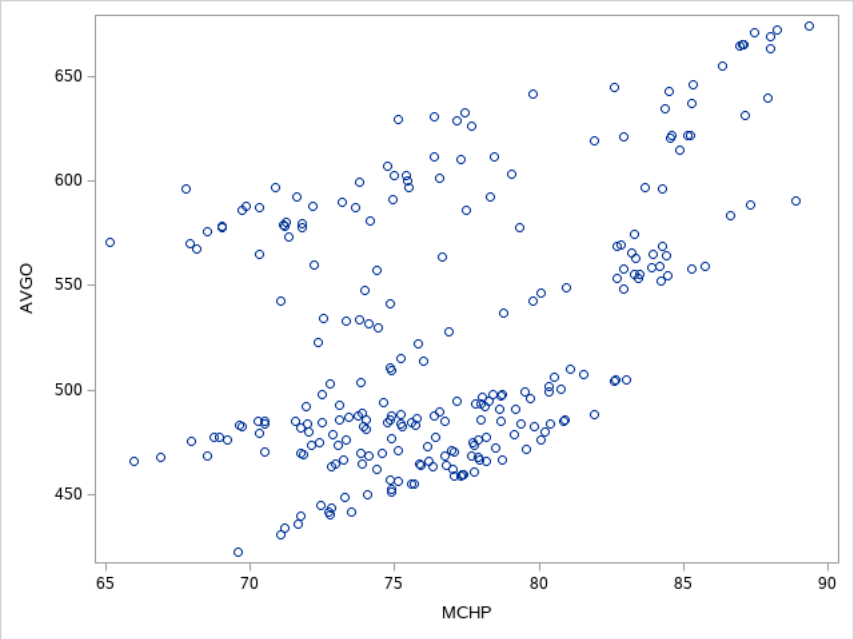
16
17
HPE


AVGO
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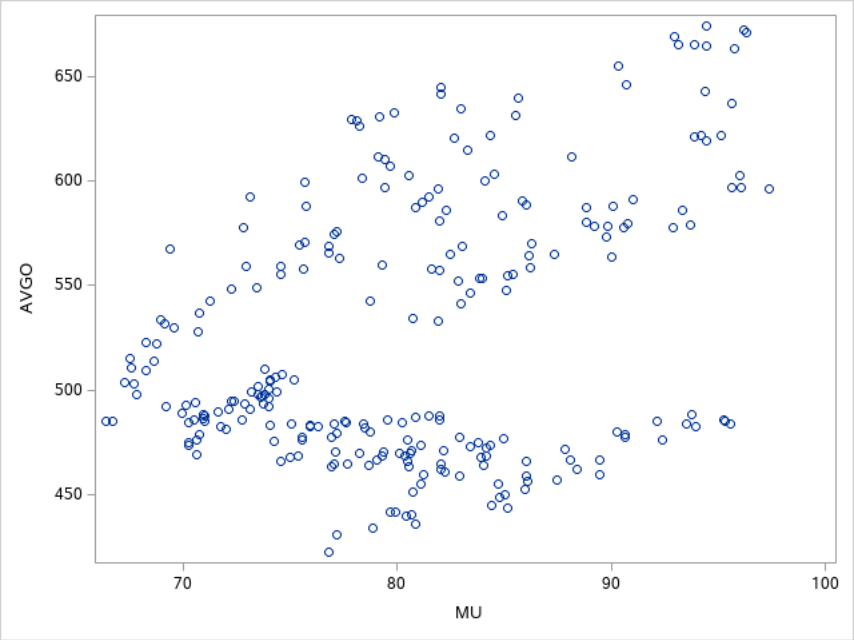
65
70
75
80
85
90
MCHP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AVGO
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80
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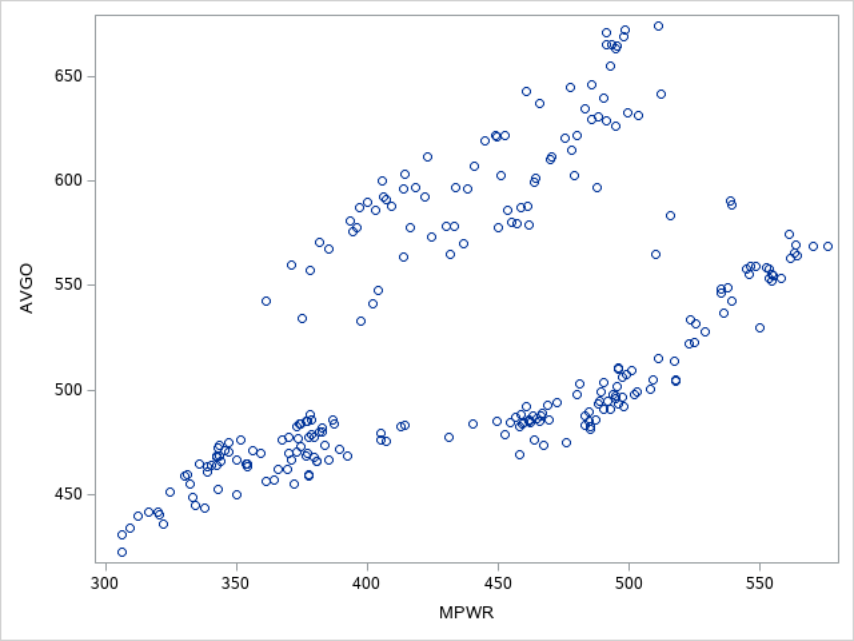
100
MU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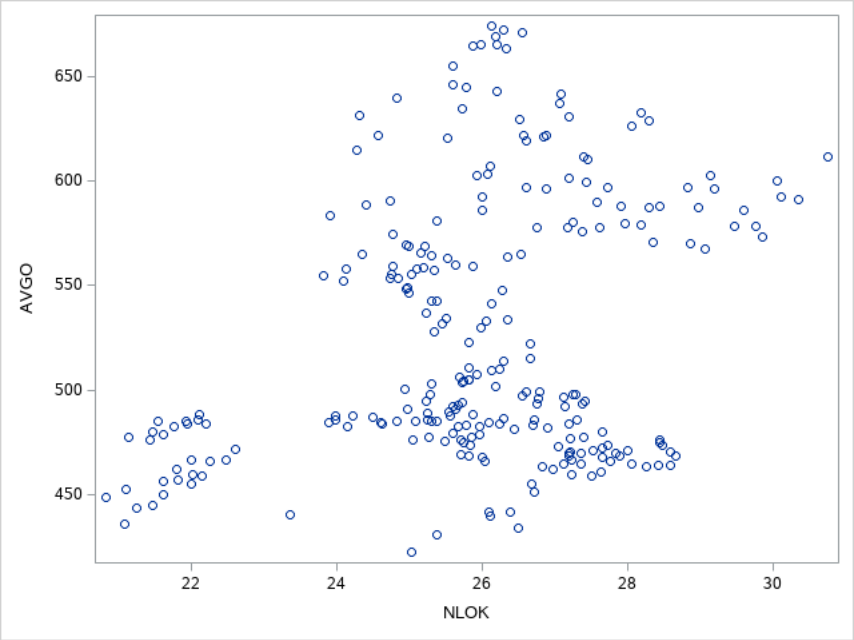
MPWR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AVGO
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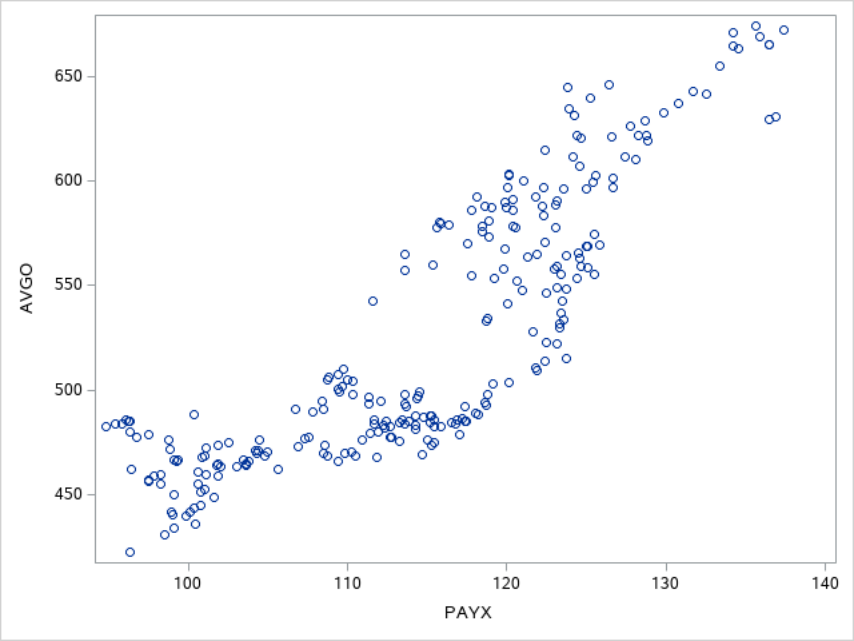
24
26
28
30
NLOK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AVGO
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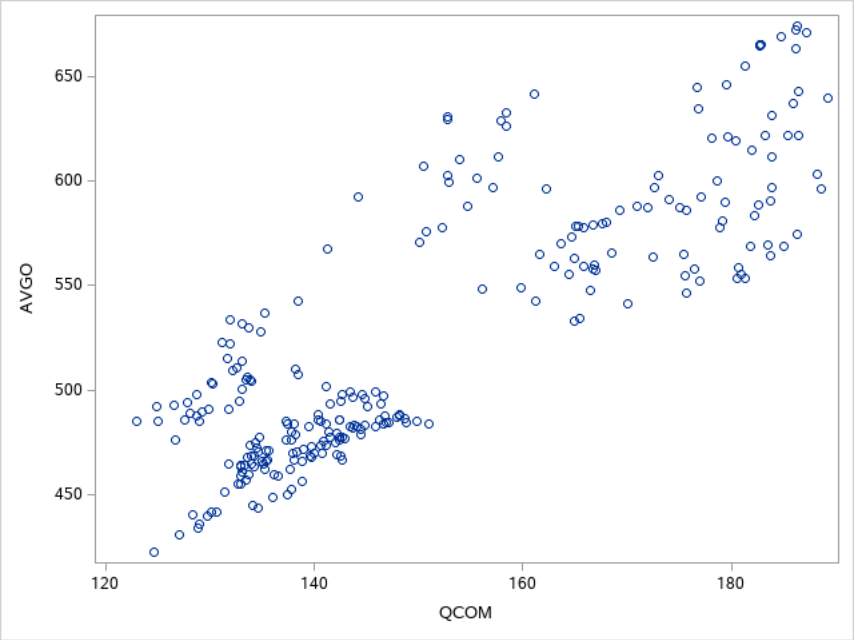
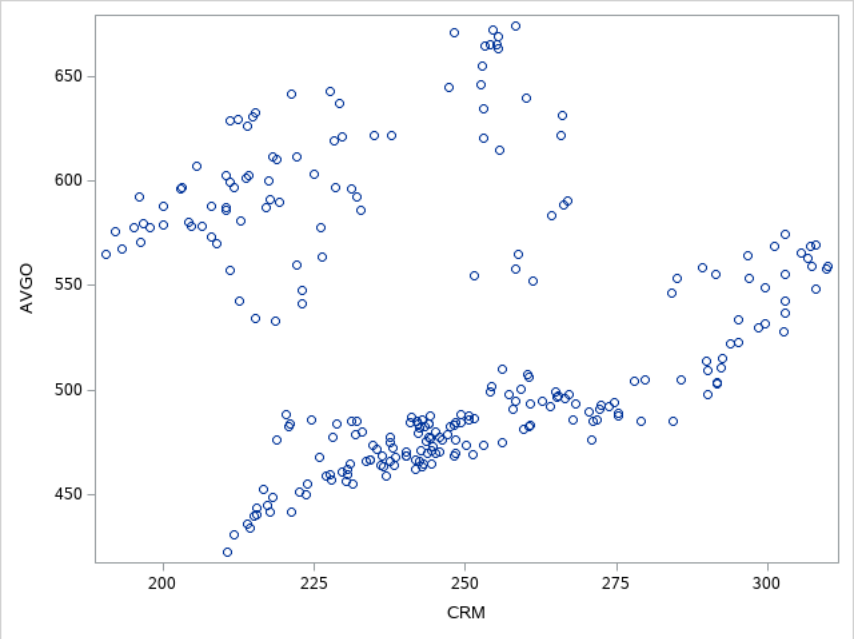
110
120
130
140
PAYX


650
600
550
500
450
AVGO
120
140
160
180
QCOM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600
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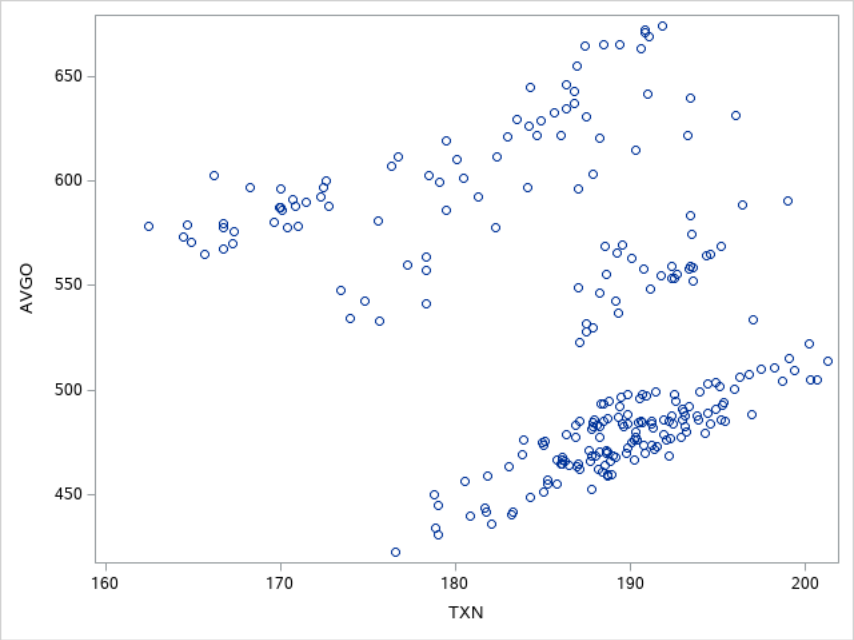
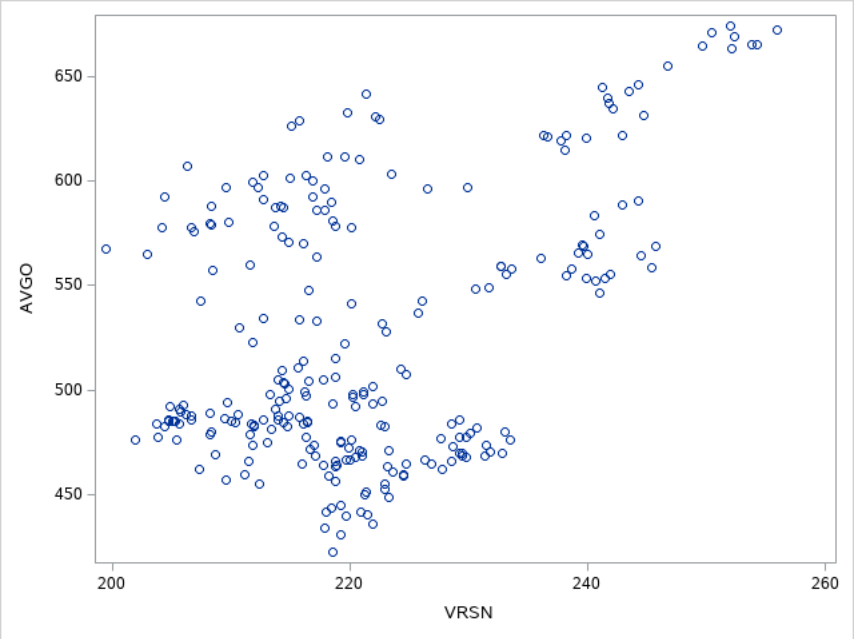
500
450
AVGO
200
225
250
275
300
CRM


650
600
550
500
450
AVGO
160
170
180
190
200
TXN


650
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500
450
AVGO
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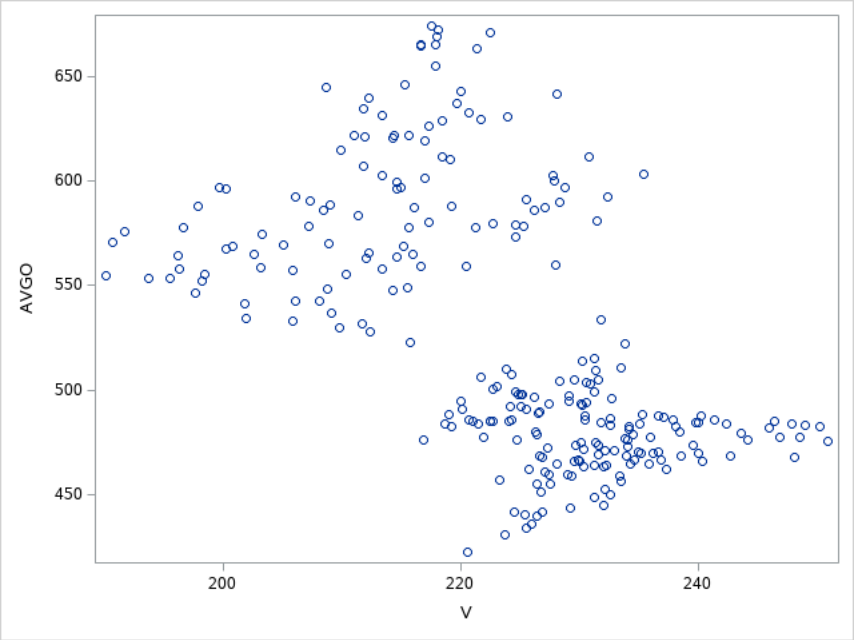
220
240
260
VRSN



The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

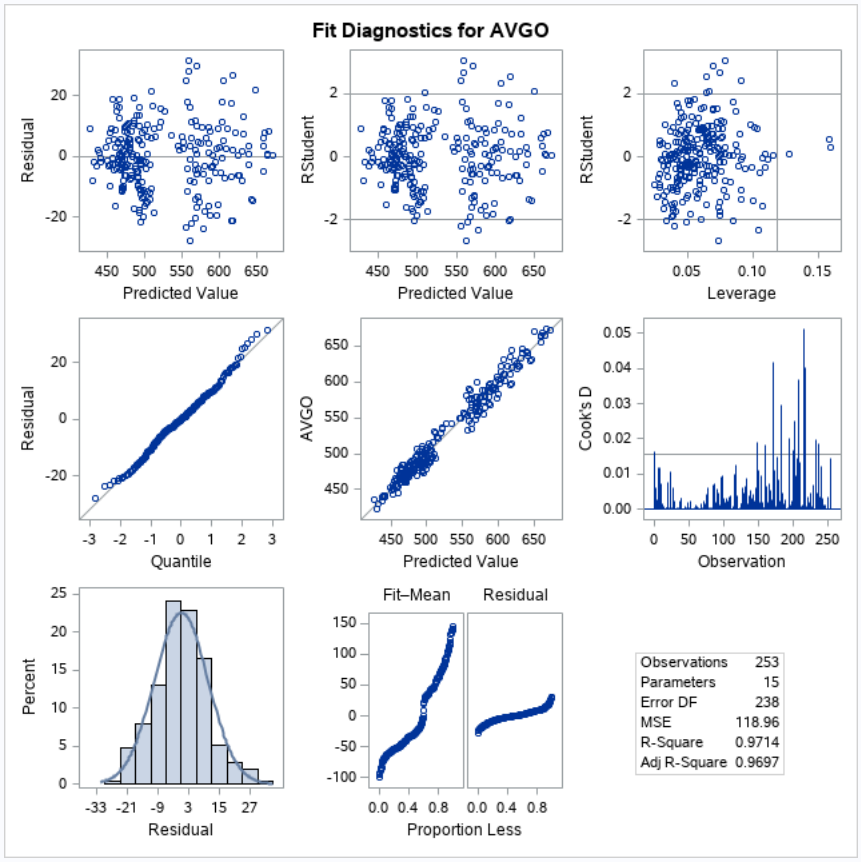
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	962238	68731	577.79	<.0001
Error	238	28311	118.95581		
Corrected Total	252	990550			

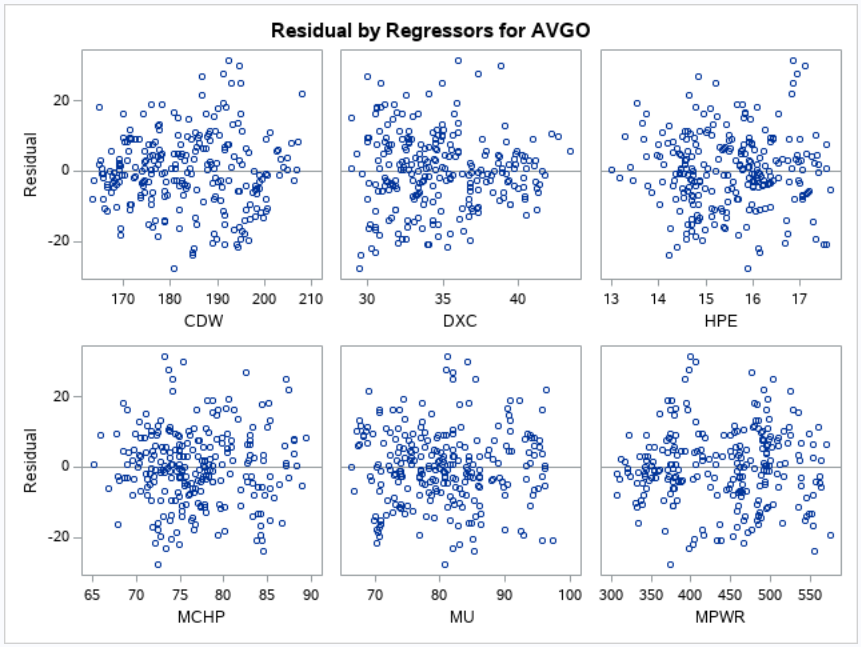
Root MSE	10.90669	R-Square	0.9714
Dependent Mean	526.14447	Adj R-Sq	0.9697
Coeff Var	2.07295		

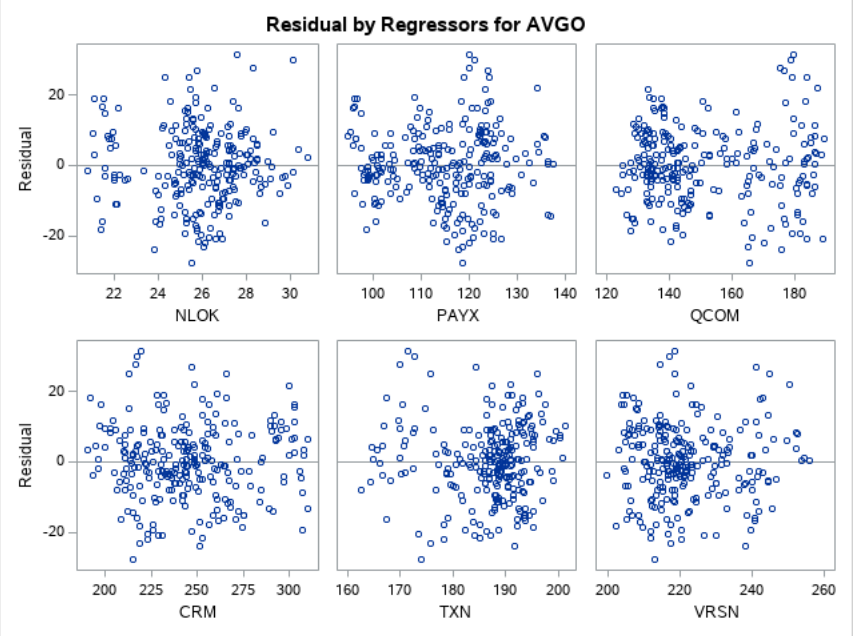
Parameter Estimates

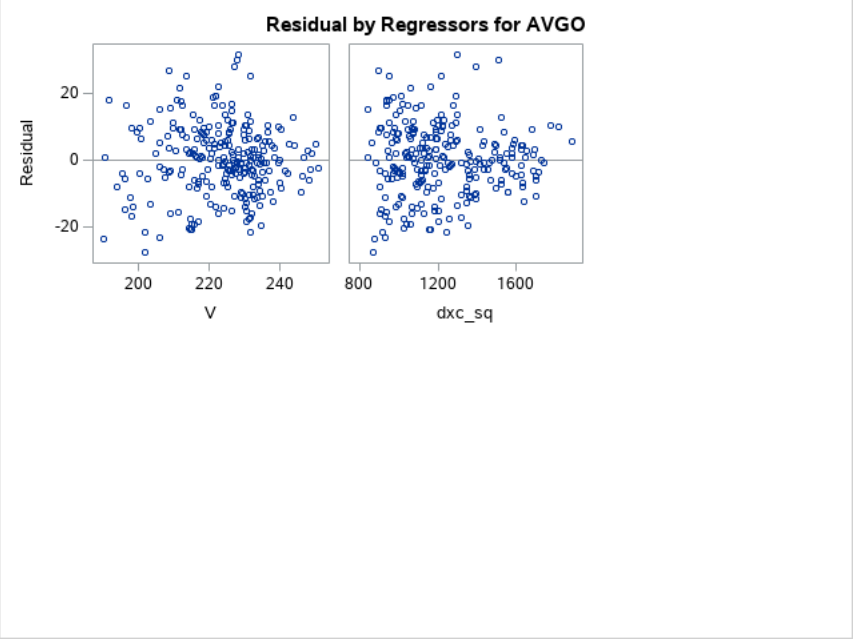
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	244.13384	99.45489	2.45	0.0148
CDW	CDW	1	-1.10619	0.12104	-9.14	<.0001
DXC	DXC	1	-16.86524	5.96830	-2.83	0.0051
HPE	HPE	1	-6.10523	1.35781	-4.50	<.0001
MCHP	MCHP	1	5.59666	0.37907	14.76	<.0001
MU	MU	1	0.73998	0.19367	3.82	0.0002
MPWR	MPWR	1	0.10444	0.03059	3.41	0.0008
NLOK	NLOK	1	4.26979	0.57551	7.42	<.0001
PAYX	PAYX	1	4.31665	0.18605	23.20	<.0001
QCOM	QCOM	1	0.37481	0.11218	3.34	0.0010
CRM	CRM	1	-0.48633	0.05721	-8.50	<.0001
TXN	TXN	1	-1.54516	0.22797	-6.78	<.0001
VRSN	VRSN	1	-0.40060	0.11688	-3.43	0.0007
V	V	1	1.20200	0.13201	9.11	<.0001
dxc_sq		1	0.16028	0.08152	1.97	0.0504

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO


Fit Diagnostics for AVGO
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
AVGO
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 253
Parameters 15
Error DF 238
MSE 118.96
R-Square 0.9714
Adj R-Square 0.9697


Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR





The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO

Number of Observations Read	254
Number of Observations Used	253
Number of Observations with Missing Values	1

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	961817	68701	569.08	<.0001
Error	238	28732	120.72361		
Corrected Total	252	990550			

Root MSE	10.98743	R-Square	0.9710
Dependent Mean	526.14447	Adj R-Sq	0.9693
Coeff Var	2.08829		

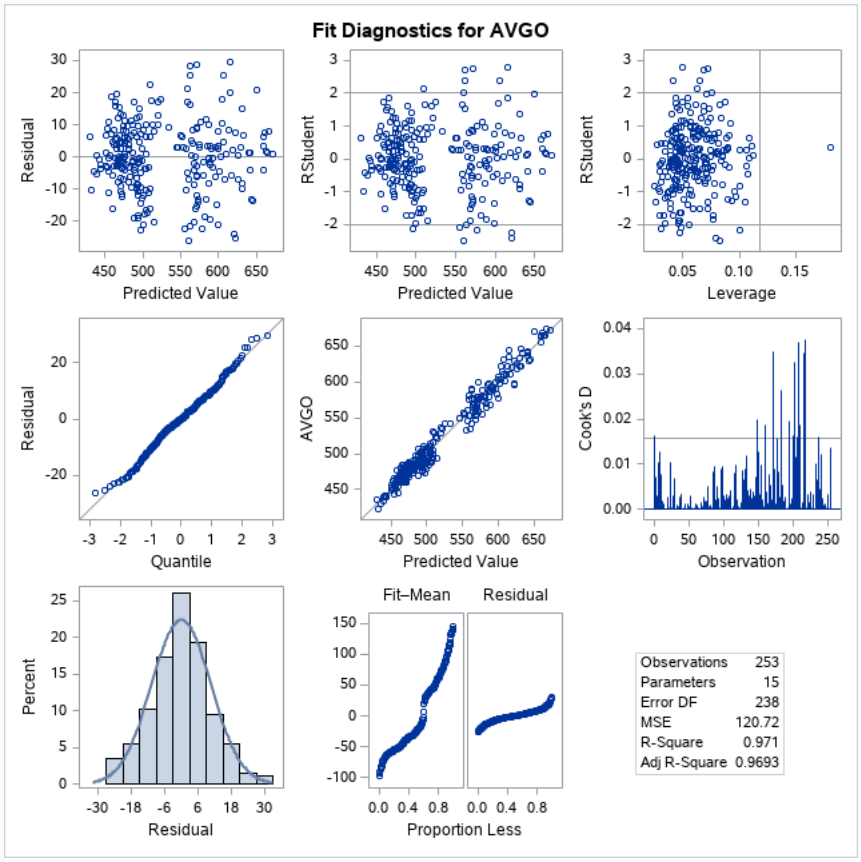
Parameter Estimates

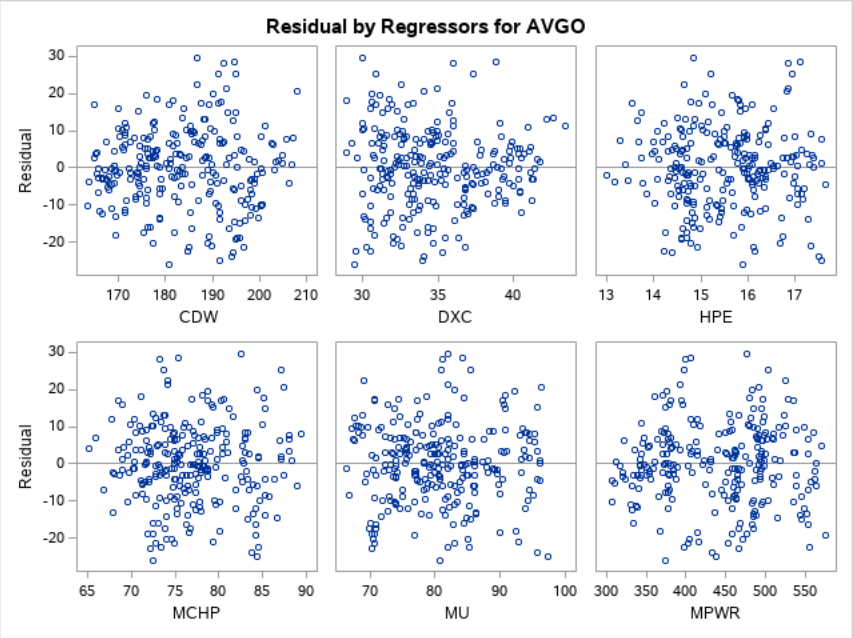
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	117.59806	96.83134	1.21	0.2258
CDW	CDW	1	-1.13189	0.12221	-9.26	<.0001

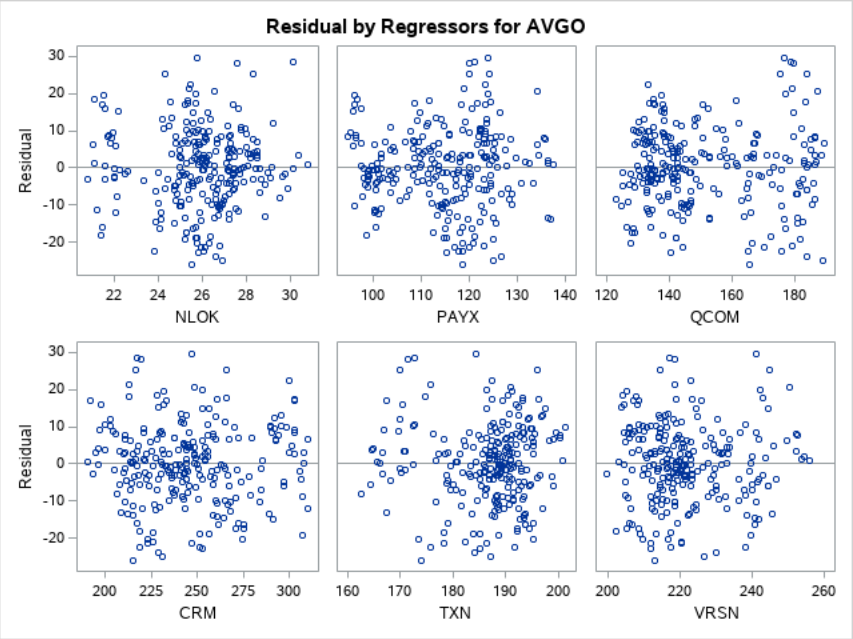
Parameter Estimates

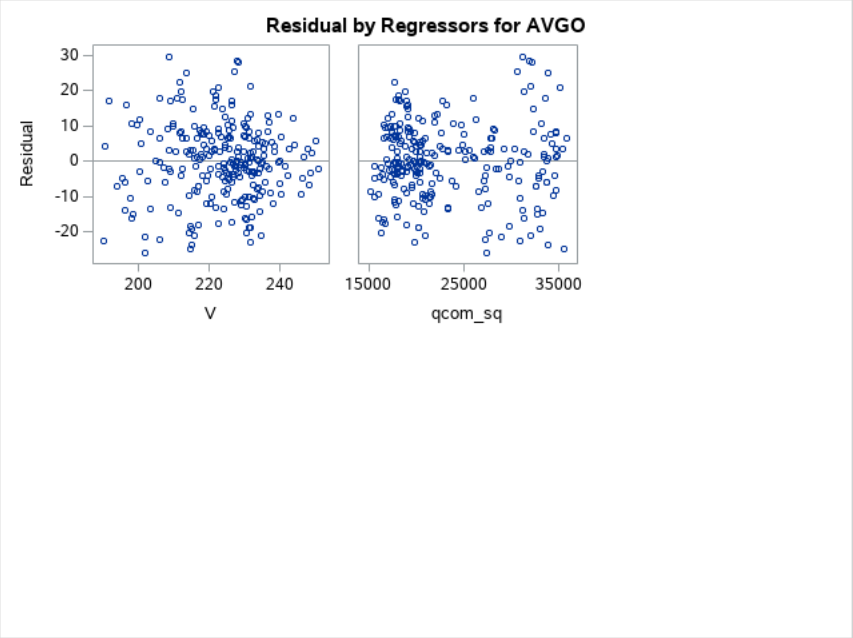
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
DXC	DXC	1	-5.11386	0.41754	-12.25	<.0001
HPE	HPE	1	-6.76276	1.32466	-5.11	<.0001
MCHP	MCHP	1	5.47571	0.37933	14.44	<.0001
MU	MU	1	0.69891	0.19773	3.53	0.0005
MPWR	MPWR	1	0.09044	0.03116	2.90	0.0040
NLOK	NLOK	1	3.93790	0.56243	7.00	<.0001
PAYX	PAYX	1	4.35712	0.18801	23.18	<.0001
QCOM	QCOM	1	-0.08722	0.98349	-0.09	0.9294
CRM	CRM	1	-0.50584	0.06156	-8.22	<.0001
TXN	TXN	1	-1.42324	0.22030	-6.46	<.0001
VRSN	VRSN	1	-0.46842	0.11251	-4.16	<.0001
V	V	1	1.09527	0.12087	9.06	<.0001
qcom_sq		1	0.00180	0.00317	0.57	0.5694

The REG Procedure
Model: MODEL1
Dependent Variable: AVGO AVGO




Residual by Regressors for AVGO
Residual
CDW
DXC
HPE
MCHP
MU
MPWR


Residual by Regressors for AVGO
Residual
NLOK
PAYX
QCOM
CRM
TXN
VRSN


Residual by Regressors for AVGO
Residual
V
qcom_sq