

# STOCK PORTFOLIO ANALYSIS

## Transaction Sources & Uses

Sources (Initial Capital - Nov 1, 2017)	Interest Rate
Margin Loan 50,000	50.0% 7.00%
Equity 50,000	50.0%
<b>Total 100,000</b>	<b>100.0%</b>

Uses	Amount	%	Interest Rate
Stocks	\$ 88,500	88.5%	
Cash	\$ 11,500	11.5%	1.50%
<b>Total</b>	<b>\$ 100,000</b>	<b>100.0%</b>	

## SUMMARY

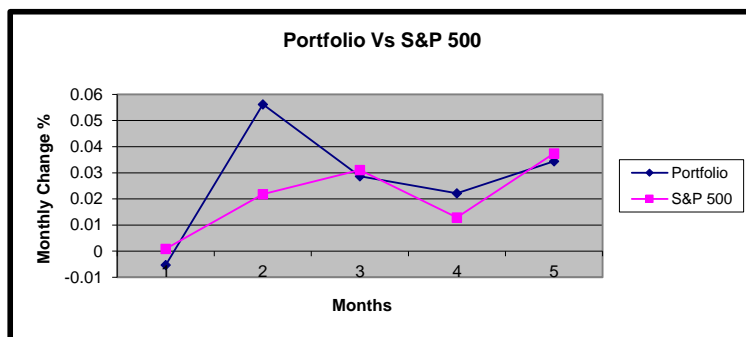
Portfolio Return Analysis	1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18	1-May-18
Summary Equity Cash Flow	\$ (50,000)	\$ (27)	\$ 1,593	\$ 2,815	\$ (3)	\$ (97)	\$ 64,608
Summary Portfolio Value (incl. Cash)	\$ 100,000	\$ 99,473	\$ 105,065	\$ 108,080	\$ 110,477	\$ 114,280	
Portfolio Appreciation/(Depreciation) - P		-0.527%	5.622%	2.869%	2.218%	3.443%	
Cummulative Appreciaton		-0.527%	5.095%	7.964%	10.182%	13.625%	
<b>S&amp;P 500 (Market - M)</b>		<b>0.091%</b>	<b>2.180%</b>	<b>3.111%</b>	<b>1.293%</b>	<b>3.745%</b>	

## Portfolio Returns/Analysis

HPR (Unlevered) - Risky Portfolio	13.34%
HPR (Levered)	37.78%
Average Monthly Returns (N-1)	2.72%
Standard Deviation	2.22%

## S&P Return/Analysis

Average Monthly Returns (n-1)	2.08%
Standard Deviation	1.45%



P (Y - Avg Y)	M (X - Avg X)	P x M	M^2
-0.03252	-0.01993	0.00065	0.00040
0.02897	0.00096	0.00003	0.00000
0.00144	0.01027	0.00001	0.00011
-0.00507	-0.00791	0.00004	0.00006
0.00718	0.01661	0.00012	0.00028

Beta (Slope) = **1.0096**

## Regression Statistics

### Regression Statistics

Multiple R	0.6589
<b>R Square</b>	<b>0.43420968</b>
Adjusted R Squar	-1.6667
Standard Error	0.0193
Observations	1

## ANOVA

	df	SS	MS	F
Regression	5	0.0009	0.0002	2.3023
Residual	3	0.0011	0.0004	
Total	8	0.0020		

## Coefficients Standard Error t Stat P-value Lower 95% Upper 95% Lower 95.0% Upper 95.0%

Intercept						-1.3756	1.3881
X Variable 4	0.0062	0.0163	0.3802	0.7291	-0.0458	0.0582	-0.0458 0.0582
<b>X Variable 5</b>	<b>1.0096</b>	0.6654	1.5173	0.2265	-1.1079	3.1270	-1.1079 3.1270

## CASH FLOW ANALYSIS

	IRR per month	0	1	2	3	4	5	6
		1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18	1-May-18
Beginning Cash		50,000	11,500	11,473	13,065	15,880	15,877	15,780
Plus Dividends		0	250	120	390	269	175	-
Buy / Sell Stock		\$(88,500)	-	1,750	2,700	-	-	\$ 99,100
Less Debt (Principal)		50,000						\$(50,000)
Less Debt (Interest Payments)			\$(292)	\$(292)	\$(292)	\$(292)	\$(292)	\$(292)
Interest Income			14	14	16	20	20	20
Plus Cash		\$(11,500)						15,780
Total Cash Flow	5.71%	\$(50,000)	\$(27)	1,593	2,815	\$(3)	\$(97)	64,608
Cash Deposit		11,500	-	-	-	-	-	\$(15,780)
Ending Cash		11,500	11,473	13,065	15,880	15,877	15,780	64,608
Cash % of Total Value		11.5%	11.5%	12.4%	14.7%	14.4%	13.8%	100.0%

**Stock Prices**

			0	1	2	3	4	5	6
	<b>Companies</b>	<b>Industry</b>	<b>1-Nov-17</b>	<b>1-Dec-17</b>	<b>2-Jan-18</b>	<b>1-Feb-18</b>	<b>1-Mar-18</b>	<b>2-Apr-18</b>	<b>1-May-18</b>
1	ABC	Chemicals	23.00	24.00	22.50	25.00	26.00	28.00	32.00
2	BCD	Industrial	12.00	10.00	12.00	12.00	15.00	18.00	18.00
3	CDE	Publishing	18.00	19.00	20.00	19.00	22.00	20.00	18.00
4	DEF	Hospitality	40.00	42.00	48.00	49.00	51.00	55.00	54.00
5	EFG	TV/Cable	52.00	60.00	60.00	60.00	62.00	64.00	65.00
6	FGH	Techonlogy	31.00	20.00	25.00	26.00	20.00	22.00	25.00
7	GHI	Service	15.00	16.00	17.00	18.00	19.00	19.00	18.00
8	HIK	Retail	8.00	9.50	10.50	11.00	11.50	12.00	12.50
9	IKL	Pharmaceutical	15.00	13.00	12.00	14.00	15.00	18.00	20.00
10	KLM	Healthcare	25.00	26.00	26.00	26.00	26.00	26.00	20.00
11	LMN	Hospitality		30.00	32.00	35.00	42.00	44.00	45.00
12	MNO	TV/Cable		20.00	19.00	18.00	18.00	16.00	18.00
13	NOP	Techonlogy		52.00	55.00	56.00	58.00	59.00	65.00
14	OPQ	Retail			11.00	11.00	11.00	11.00	12.00
15	PQR	Chemicals					20.00	22.00	23.00
	<b>S&amp;P</b>	<b>Index</b>	<b>1,100.00</b>	<b>1,101.00</b>	<b>1,125.00</b>	<b>1,160.00</b>	<b>1,175.00</b>	<b>1,219.00</b>	

**Number of Shares Own**

			0	1	2	3	4	5	6
	<b>Companies</b>	<b>Industry</b>	<b>1-Nov-17</b>	<b>1-Dec-17</b>	<b>2-Jan-18</b>	<b>1-Feb-18</b>	<b>1-Mar-18</b>	<b>2-Apr-18</b>	<b>1-May-18</b>
1	ABC	Chemicals	500	500	200	200	200	200	0
2	BCD	Industrial	500	500	200	200	200	200	0
3	CDE	Publishing	400	400	300	300	300	300	0
4	DEF	Hospitality	300	300	300	200	200	200	0
5	EFG	TV/Cable	200	200	200	200	200	200	0
6	FGH	Techonlogy	400	400	400	400	100	100	0
7	GHI	Service	600	600	600	600	600	600	0
8	HIK	Retail	1000	1000	1000	1000	1000	1000	0
9	IKL	Pharmaceutical	300	300	300	300	300	300	0
10	KLM	Healthcare	300	300	300	300	300	300	0
11	LMN	Hospitality	0	0	100	100	100	100	0
12	MNO	TV/Cable	0	0	100	100	100	100	0
13	NOP	Techonlogy	0	0	100	100	100	100	0
14	OPQ	Retail	0	0	0	200	200	200	0
15	PQR	Chemicals	0	0	0	0	300	300	0

**Bought / Sold - Shares**

			0	1	2	3	4	5	6
	<b>Companies</b>	<b>Industry</b>	<b>1-Nov-17</b>	<b>1-Dec-17</b>	<b>2-Jan-18</b>	<b>1-Feb-18</b>	<b>1-Mar-18</b>	<b>2-Apr-18</b>	<b>1-May-18</b>
1	ABC	Chemicals	500		-300				-200
2	BCD	Industrial	500		-300				-200
3	CDE	Publishing	400		-100				-300
4	DEF	Hospitality	300			-100			-200
5	EFG	TV/Cable	200						-200
6	FGH	Techonlogy	400				-300		-100
7	GHI	Service	600						-600
8	HIK	Retail	1000						-1000
9	IKL	Pharmaceutical	300						-300
10	KLM	Healthcare	300						-300
11	LMN	Hospitality			100				-100
12	MNO	TV/Cable			100				-100
13	NOP	Techonlogy			100				-100
14	OPQ	Retail				200			-200
15	PQR	Chemicals					300		-300

Bought / Sold - Shares		0	1	2	3	4	5	6
Companies	Industry	1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18	1-May-18
1	ABC	Chemicals	\$ (11,500)	\$ -	\$ 6,750	\$ -	\$ -	\$ 6,400
2	BCD	Industrial	\$ (6,000)	\$ -	\$ 3,600	\$ -	\$ -	\$ 3,600
3	CDE	Publishing	\$ (7,200)	\$ -	\$ 2,000	\$ -	\$ -	\$ 5,400
4	DEF	Hospitality	\$ (12,000)	\$ -	\$ -	\$ 4,900	\$ -	\$ 10,800
5	EFG	TV/Cable	\$ (10,400)	\$ -	\$ -	\$ -	\$ -	\$ 13,000
6	FGH	Techonlogy	\$ (12,400)	\$ -	\$ -	\$ -	\$ 6,000	\$ 2,500
7	GHI	Service	\$ (9,000)	\$ -	\$ -	\$ -	\$ -	\$ 10,800
8	HIK	Retail	\$ (8,000)	\$ -	\$ -	\$ -	\$ -	\$ 12,500
9	IKL	Pharmaceutical	\$ (4,500)	\$ -	\$ -	\$ -	\$ -	\$ 6,000
10	KLM	Healthcare	\$ (7,500)	\$ -	\$ -	\$ -	\$ -	\$ 6,000
11	LMN	Hospitality	\$ -	\$ -	\$ (3,200)	\$ -	\$ -	\$ 4,500
12	MNO	TV/Cable	\$ -	\$ -	\$ (1,900)	\$ -	\$ -	\$ 1,800
13	NOP	Techonlogy	\$ -	\$ -	\$ (5,500)	\$ -	\$ -	\$ 6,500
14	OPQ	Retail	\$ -	\$ -	\$ -	\$ (2,200)	\$ -	\$ 2,400
15	PQR	Chemicals	\$ -	\$ -	\$ -	\$ -	\$ (6,000)	\$ 6,900
<b>Total</b>		<b>\$ (88,500)</b>	<b>\$ -</b>	<b>\$ 1,750</b>	<b>\$ 2,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 99,100</b>

Total Value		0	1	2	3	4	5	6
Companies	Industry	1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18	1-May-18
1	ABC	Chemicals	\$ 11,500	\$ 12,000	\$ 4,500	\$ 5,000	\$ 5,200	\$ 5,600
2	BCD	Industrial	\$ 6,000	\$ 5,000	\$ 2,400	\$ 2,400	\$ 3,000	\$ 3,600
3	CDE	Publishing	\$ 7,200	\$ 7,600	\$ 6,000	\$ 5,700	\$ 6,600	\$ 6,000
4	DEF	Hospitality	\$ 12,000	\$ 12,600	\$ 14,400	\$ 9,800	\$ 10,200	\$ 11,000
5	EFG	TV/Cable	\$ 10,400	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,400	\$ 12,800
6	FGH	Techonlogy	\$ 12,400	\$ 8,000	\$ 10,000	\$ 10,400	\$ 2,000	\$ 2,200
7	GHI	Service	\$ 9,000	\$ 9,600	\$ 10,200	\$ 10,800	\$ 11,400	\$ 11,400
8	HIK	Retail	\$ 8,000	\$ 9,500	\$ 10,500	\$ 11,000	\$ 11,500	\$ 12,000
9	IKL	Pharmaceutical	\$ 4,500	\$ 3,900	\$ 3,600	\$ 4,200	\$ 4,500	\$ 5,400
10	KLM	Healthcare	\$ 7,500	\$ 7,800	\$ 7,800	\$ 7,800	\$ 7,800	\$ 7,800
11	LMN	Hospitality	\$ -	\$ -	\$ 3,200	\$ 3,500	\$ 4,200	\$ 4,400
12	MNO	TV/Cable	\$ -	\$ -	\$ 1,900	\$ 1,800	\$ 1,800	\$ 1,600
13	NOP	Techonlogy	\$ -	\$ -	\$ 5,500	\$ 5,600	\$ 5,800	\$ 5,900
14	OPQ	Retail	\$ -	\$ -	\$ -	\$ 2,200	\$ 2,200	\$ 2,200
15	PQR	Chemicals	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ 6,600
<b>Total Value</b>		<b>\$ 88,500</b>	<b>\$ 88,000</b>	<b>\$ 92,000</b>	<b>\$ 92,200</b>	<b>\$ 94,600</b>	<b>\$ 98,500</b>	<b>\$ -</b>
Cash		\$ 11,500	\$ 11,473	\$ 13,065	\$ 15,880	\$ 15,877	\$ 15,780	\$ 64,608
<b>Total Value</b>		<b>\$ 100,000</b>	<b>\$ 99,473</b>	<b>\$ 105,065</b>	<b>\$ 108,080</b>	<b>\$ 110,477</b>	<b>\$ 114,280</b>	<b>\$ 64,608</b>

Dividends Paid per Share		0	1	2	3	4	5	6
Companies	Industry	1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18	1-May-18
1	ABC	Chemicals	\$ 0.20				\$ 0.20	
2	BCD	Industrial	\$ 0.30				\$ 0.30	
3	CDE	Publishing						
4	DEF	Hospitality		\$ 0.40				
5	EFG	TV/Cable			\$ 0.75			
6	FGH	Techonlogy						
7	GHI	Service			\$ 0.40			
8	HIK	Retail				\$ 0.20		
9	IKL	Pharmaceutical				\$ 0.23		
10	KLM	Healthcare					\$ 0.25	
11	LMN	Hospitality						
12	MNO	TV/Cable						
13	NOP	Techonlogy						
14	OPQ	Retail						
15	PQR	Chemicals						

Total Cash Dividends		0	1	2	3	4	5	6
Companies	Industry	1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18	1-May-18
1	ABC	Chemicals	\$ 100	\$ -	\$ -	\$ -	\$ 40	\$ -
2	BCD	Industrial	\$ 150	\$ -	\$ -	\$ -	\$ 60	\$ -
3	CDE	Publishing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	DEF	Hospitality	\$ -	\$ 120	\$ -	\$ -	\$ -	\$ -
5	EFG	TV/Cable	\$ -	\$ -	\$ 150	\$ -	\$ -	\$ -
6	FGH	Techonlogy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	GHI	Service	\$ -	\$ -	\$ 240	\$ -	\$ -	\$ -
8	HIK	Retail	\$ -	\$ -	\$ -	\$ 200	\$ -	\$ -
9	IKL	Pharmaceutical	\$ -	\$ -	\$ -	\$ 69	\$ -	\$ -
10	KLM	Healthcare	\$ -	\$ -	\$ -	\$ -	\$ 75	\$ -
11	LMN	Hospitality	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	MNO	TV/Cable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	NOP	Techonlogy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	OPQ	Retail	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	PQR	Chemicals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>			\$ 250	\$ 120	\$ 390	\$ 269	\$ 175	\$ -

### Diversification Factors

	1-Nov-17	1-Dec-17	2-Jan-18	1-Feb-18	1-Mar-18	2-Apr-18
<b>Industry Conctratation</b>						
Chemicals	13.0%	13.6%	4.9%	5.4%	11.8%	12.4%
Healthcare	8.5%	8.9%	8.5%	8.5%	8.2%	7.9%
Hospitality	13.6%	14.3%	19.1%	14.4%	15.2%	15.6%
Industrial	6.8%	5.7%	2.6%	2.6%	3.2%	3.7%
Pharmaceutical	5.1%	4.4%	3.9%	4.6%	4.8%	5.5%
Publishing	8.1%	8.6%	6.5%	6.2%	7.0%	6.1%
Retail	9.0%	10.8%	11.4%	14.3%	14.5%	14.4%
Service	10.2%	10.9%	11.1%	11.7%	12.1%	11.6%
Techonlogy	14.0%	9.1%	16.8%	17.4%	8.2%	8.2%
TV/Cable	11.8%	13.6%	15.1%	15.0%	15.0%	14.6%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
Total	\$ 88,500	\$ 88,000	\$ 92,000	\$ 92,200	\$ 94,600	\$ 98,500
<b>Company Conctratation</b>						
ABC	13.0%	13.6%	4.9%	5.4%	5.5%	5.7%
BCD	6.8%	5.7%	2.6%	2.6%	3.2%	3.7%
CDE	8.1%	8.6%	6.5%	6.2%	7.0%	6.1%
DEF	13.6%	14.3%	15.7%	10.6%	10.8%	11.2%
EFG	11.8%	13.6%	13.0%	13.0%	13.1%	13.0%
FGH	14.0%	9.1%	10.9%	11.3%	2.1%	2.2%
GHI	10.2%	10.9%	11.1%	11.7%	12.1%	11.6%
HIK	9.0%	10.8%	11.4%	11.9%	12.2%	12.2%
IKL	5.1%	4.4%	3.9%	4.6%	4.8%	5.5%
KLM	8.5%	8.9%	8.5%	8.5%	8.2%	7.9%
LMN	0.0%	0.0%	3.5%	3.8%	4.4%	4.5%
MNO	0.0%	0.0%	2.1%	2.0%	1.9%	1.6%
NOP	0.0%	0.0%	6.0%	6.1%	6.1%	6.0%
OPQ	0.0%	0.0%	0.0%	2.4%	2.3%	2.2%
PQR	0.0%	0.0%	0.0%	0.0%	6.3%	6.7%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%