TABLE OF CONTENTS

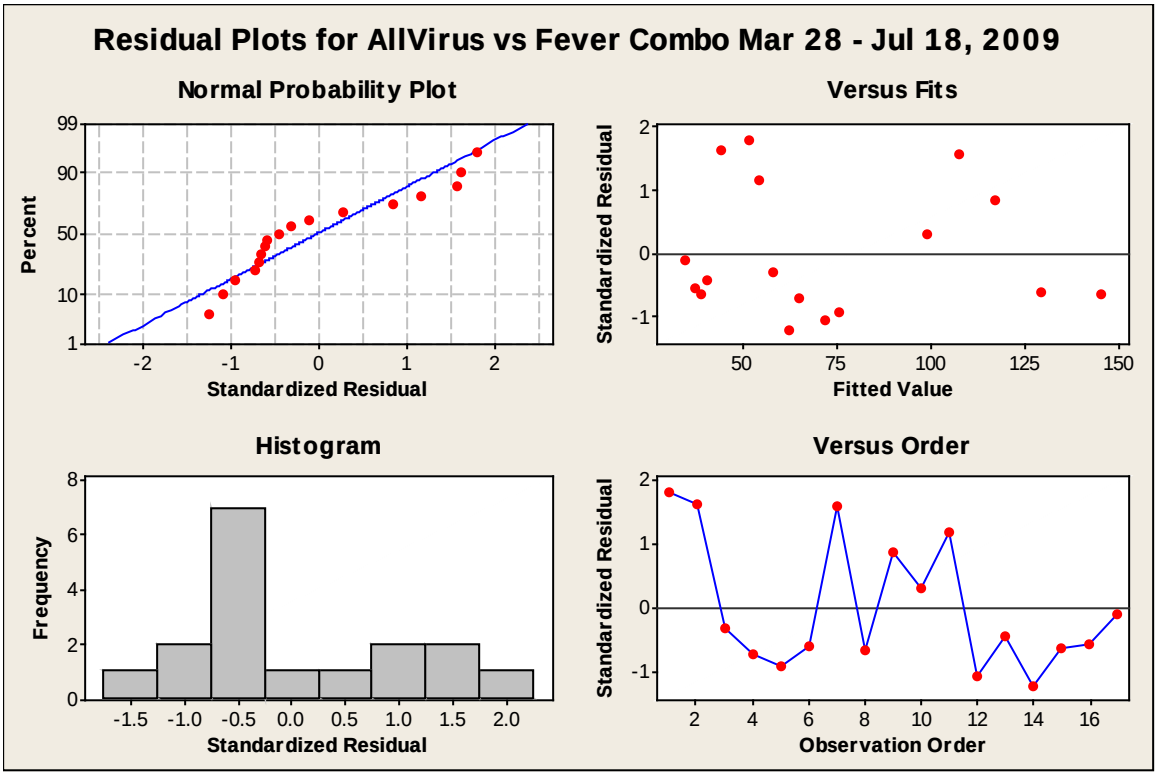
1st H1N1 OUTBREAK (MARCH 28, 2009 – JULY 18, 2009) 3
All Virus vs Fever Combo - Linear 3
All Virus vs Fever Combo – Polynomial 3
All Virus vs Fever Combo % - Linear 4
All Virus vs Fever Combo %-Polynomial 4
All Virus vs Cough, Fever , Resp 5
All Virus vs Cough, Fever , Resp% 6
InfluA&B vs Fever Comb - Linear 6
InfluA&B vs Fever Comb – Polynomial 7
InflA&B vs Fever Combo% - Linear 8
InflA&B vs Fever Combo% - Polynomial 9
InfluA&B vs Cough, Fever Resp - Linear 9
InfluA&B vs Cough, Fever Resp - Polynomial 10
InfuA&B vs Cough, Fever Resp%-Linear 11
InfuA&B vs Cough, Fever Resp%-Polynomial 11
InfluA&B vs Fever, CoughFever, FeverGastroResp% 11
2nd H1N1 OUTBREAK (SEPTEMBER 5 – DECEMBER 12, 2009) 13
All Virus vs FeverCombo - Linear 13
All Virus vs FeverCombo 13
All Virus vs Fever Combo%-Linear 14
All Virus vs Fever Combo% - Polynomial 15
All Virus vs Cough, Fever, Resp - Linear 16
All Virus vs Cough, Fever, Resp - Polynomial 17
AllVirus vs Cough, Fever, Resp% -Linear 18
AllVirus vs Cough, Fever, Resp% -Polynomial 19
InfluA&B vs FeverCombo - Linear 20
InfluA&B vs FeverCombo - Polynomial 21
InfluA&B vs Fever Combo% - Linear 22
InfluA&B vs Fever Combo% - Polynomial 23
InfluA&B vs Cough, Fever, Resp Combo 24
InfluA&B vs Cough, Fever, Resp% - Linear 25

InfluA&B vs Cough, Fever, Resp% - Polynomial 27
InfluA&B% vs Fever Combo - Linear 27
InfluA&B% vs Fever Combo - Polynomial 28
InfluA&B% vs Fever Combo% - Liniear 29
InfluA&B% vs Fever Combo% - Polynomial 30
InfluA&B% vs Cough, Fever, Resp - Linear 31
InfluA&B% vs Cough, Fever, Resp - Polynomial 32
InfluA&B% vs Cough, Fever, Resp% - Linear 33
InfluA&B% vs Cough, Fever, Resp% - Polynomial 34
PRIOR TO H1N1 OUTBREAK (MARCH 1, 2008 – MARCH 28, 2009) 36
AllVirus vs FeverCombo 36
AllVirus vs FeverCombo% 36
AllVirus vs Cough,Fever,Resp 37
AllVirus Cough,Fever,Resp% 37
InfluA&B vs FeverCombo 37
InfluA&B vs FeverCombo% 37
InfluA&B vs Cough,Fever,Resp 37
InfluA&B Cough,Fever,Resp% 37

1st H1N1 OUTBREAK (MARCH 28, 2009 – JULY 18, 2009)

All Virus vs Fever Combo - Linear

```
AllVirus = - 6.7 + 3.24 FevC

Predictor     Coef  SE Coef       T      P
Constant     -6.71    14.06   -0.48  0.640
FevC        3.2436   0.5301    6.12  0.000

S = 22.6636   R-Sq = 71.4%   R-Sq(adj) = 69.5%
Analysis of Variance
Source          DF     SS     MS      F      P
Regression       1  19234  19234  37.45  0.000
Residual Error  15   7705    514
Total           16  26938

Unusual Observations
Obs  FevC  AllVirus    Fit  SE Fit  Residual  St Resid
  1  16.0     91.00  45.19    7.08     45.81     2.13R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 0.729876
```



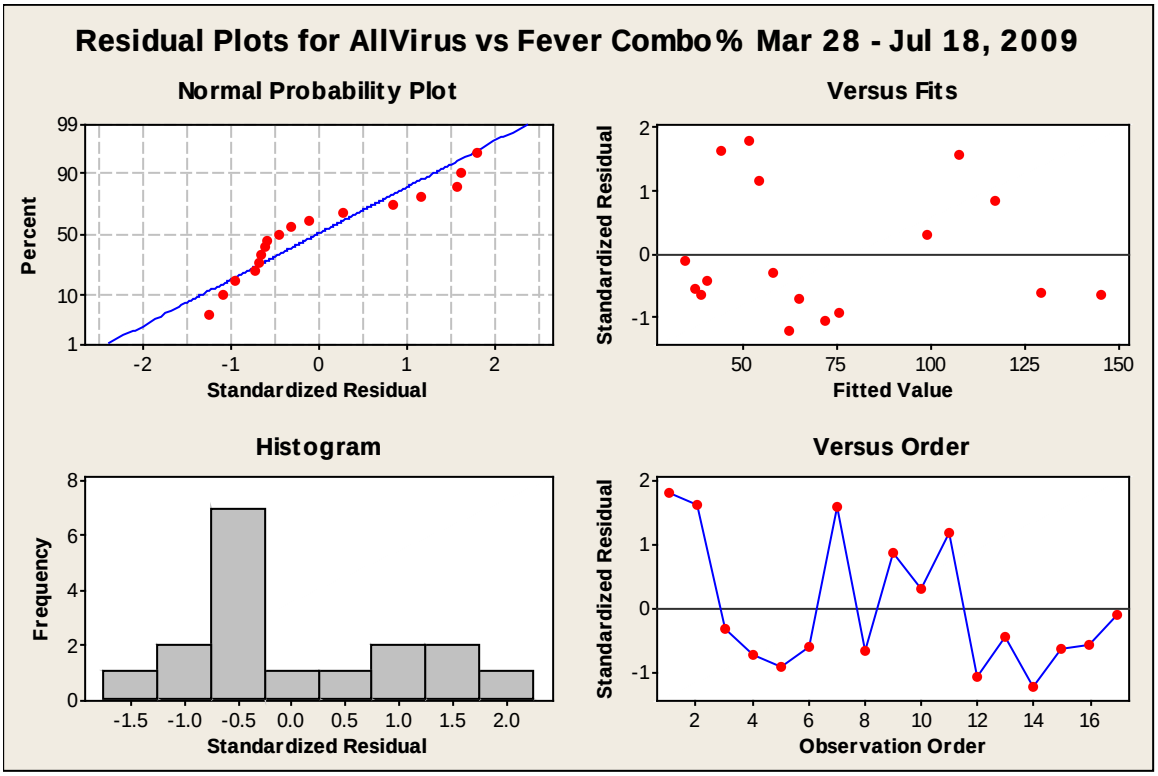
All Virus vs Fever Combo – Polynomial

```
AllVirus = 153.6 - 17.60 FevC + 0.8014 FevC**2 - 0.009584 FevC**3

S = 20.1436   R-Sq = 73.5%   R-Sq(adj) = 67.4%
Analysis of Variance
Source      DF        SS        MS      F      P
Regression   3   14628.8   4876.28  12.02  0.000
```

```
Error        13   5274.9   405.76
Total        16  19903.8

Sequential Analysis of Variance
Source     DF        SS       F      P
Linear      1   13202.6   29.55  0.000
Quadratic   1     482.4    1.09  0.315
Cubic       1     943.9    2.33  0.151
```

All Virus vs Fever Combo % - Linear

```
AllVirus = - 21.5 + 1491 FevC%

Predictor     Coef  SE Coef      T      P
Constant    -21.54    16.29  -1.32  0.206
FevC%       1491.5    243.3   6.13  0.000

S = 22.6345   R-Sq = 71.5%   R-Sq(adj) = 69.6%
Analysis of Variance
Source          DF     SS     MS      F      P
Regression       1  19253  19253  37.58  0.000
Residual Error  15   7685    512
Total           16  26938

Durbin-Watson statistic = 1.40599
```



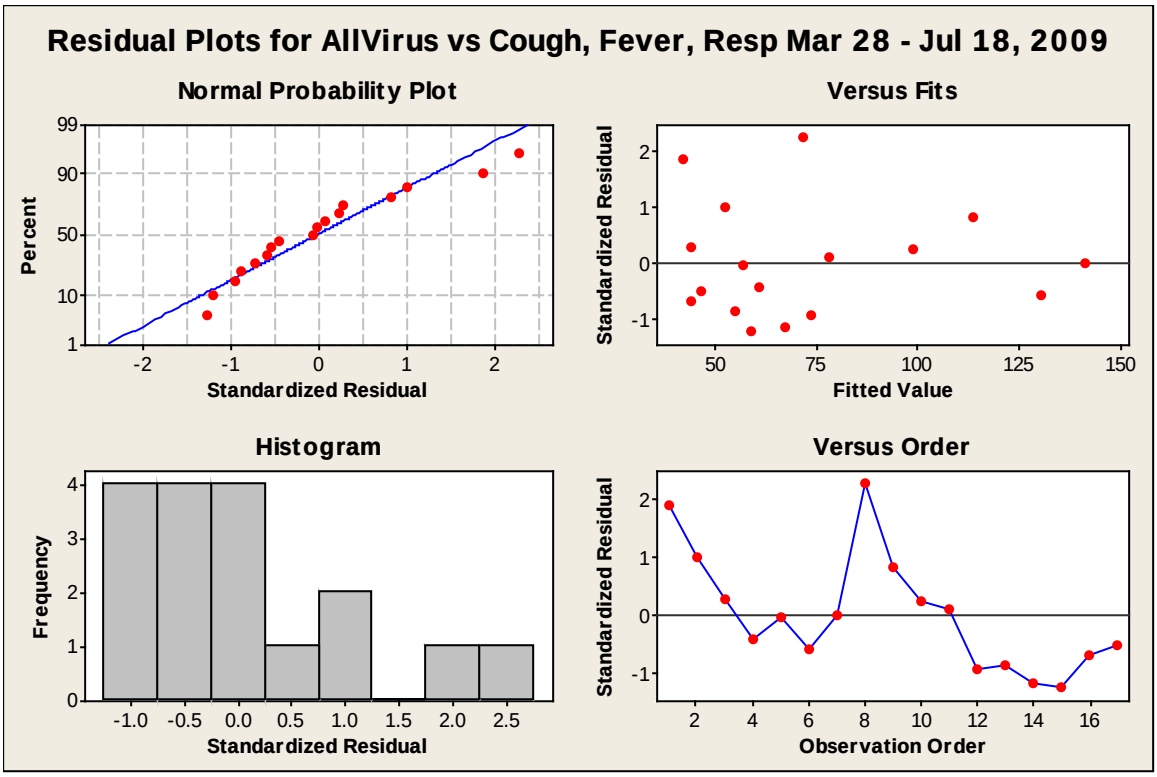
All Virus vs Fever Combo %-Polynomial

```
AllVirus = 112.4 - 4632 FevC% + 82673 FevC%**2 - 362906 FevC%**3

S = 20.6761   R-Sq = 72.1%   R-Sq(adj) = 65.6%
Analysis of Variance
Source      DF        SS        MS      F      P
```

```
Regression    3  14346.3  4782.09  11.19  0.001
Error        13   5557.5   427.50
Total        16  19903.8

Sequential Analysis of Variance
Source      DF       SS      F      P
Linear       1  14105.9  36.49  0.000
Quadratic    1     37.9   0.09  0.766
Cubic        1    202.4   0.47  0.503
```

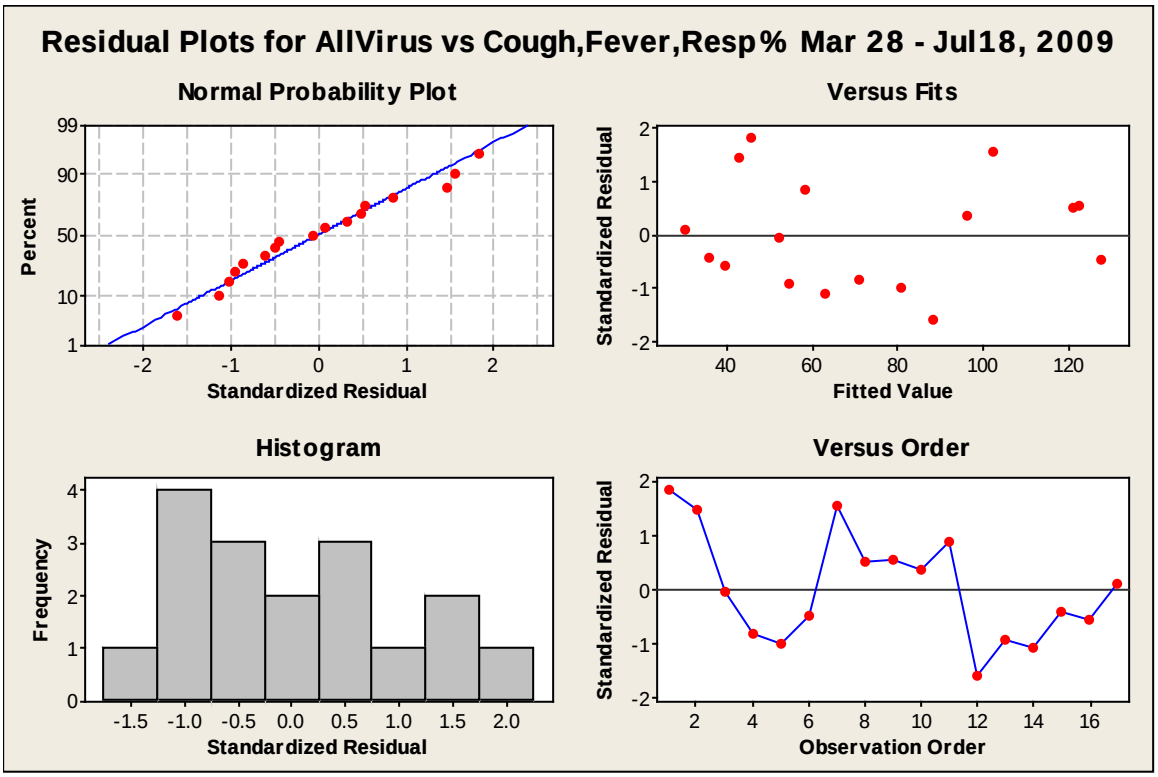
All Virus vs Cough, Fever , Resp

```
AllVirus = - 26.2 + 2.12 CoughFevResp

Predictor        Coef  SE Coef      T      P
Constant       -26.17    23.37  -1.12  0.280
CoughFevResp   2.1201   0.4806   4.41  0.001

S = 27.9611   R-Sq = 56.5%   R-Sq(adj) = 53.6%
Analysis of Variance
Source          DF     SS     MS      F      P
Regression       1  15211  15211  19.46  0.001
Residual Error  15  11727    782
Total           16  26938

Unusual Observations
Obs  CoughFevResp  AllVirus     Fit  SE Fit  Residual  St Resid
  7          79.0    141.00  141.31   17.02     -0.31     -0.01 X
  8          46.0    133.00   71.35    6.79     61.65      2.27R

R denotes an observation with a large standardized residual.
X denotes an observation whose X value gives it large leverage.
Durbin-Watson statistic = 0.724606
```



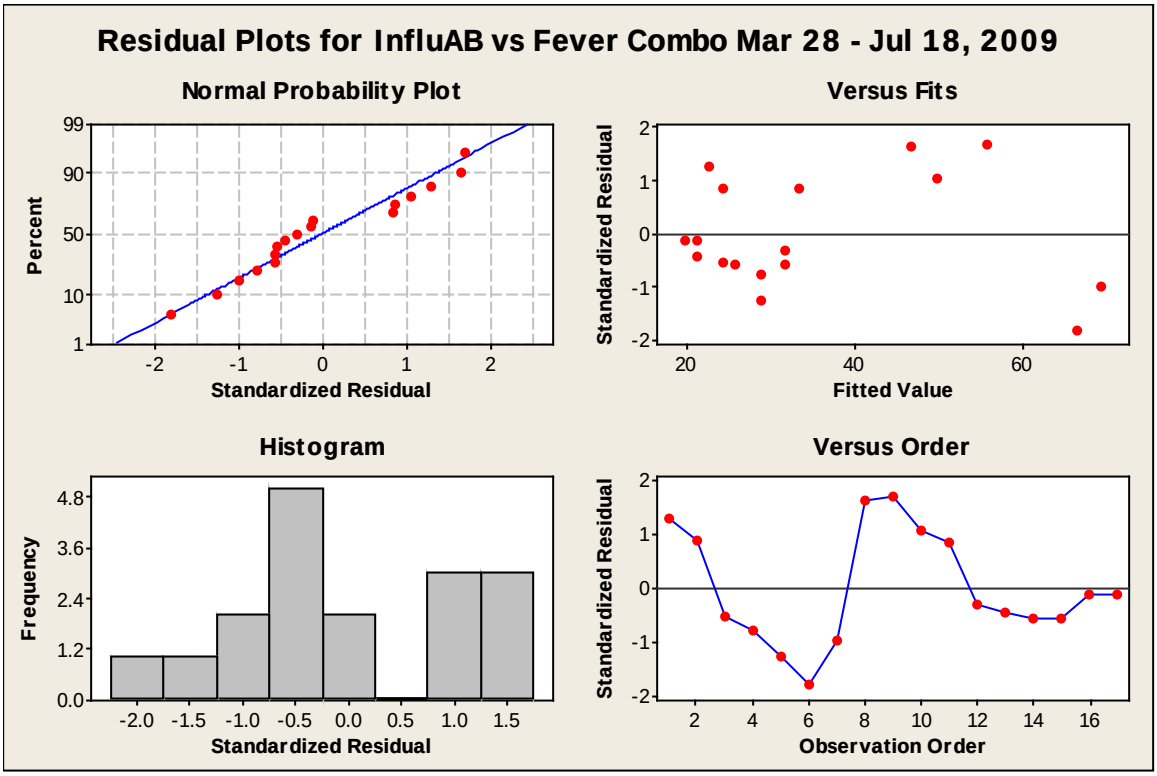
All Virus vs Cough, Fever , Resp%

```
AllVirus = - 73.0 + 1209 CFR%

Predictor     Coef  SE Coef      T      P
Constant    -72.95    30.08  -2.43  0.028
CFR%        1208.6    244.4   4.95  0.000

S = 26.1270   R-Sq = 62.0%   R-Sq(adj) = 59.5%

Analysis of Variance
Source          DF     SS     MS      F      P
Regression       1  16699  16699  24.46  0.000
Residual Error  15  10239    683
Total           16  26938

Durbin-Watson statistic = 0.999797
```



InfluA&B vs Fever Comb - Linear

```
InfluAB = - 1.6 + 1.51 FevC

Predictor     Coef  SE Coef      T      P
Constant     -1.55    11.94  -0.13  0.898
FevC        1.5142   0.4502   3.36  0.004

S = 19.2469   R-Sq = 43.0%   R-Sq(adj) = 39.2%

Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  4191.5  4191.5  11.31  0.004
Residual Error  15  5556.7   370.4
Total           16  9748.1

Durbin-Watson statistic = 0.688093
```



InfluA&B vs Fever Comb – Polynomial

```
InfluAB = 193.5 - 24.18 FevC + 1.035 FevC**2 - 0.01255 FevC**3
```

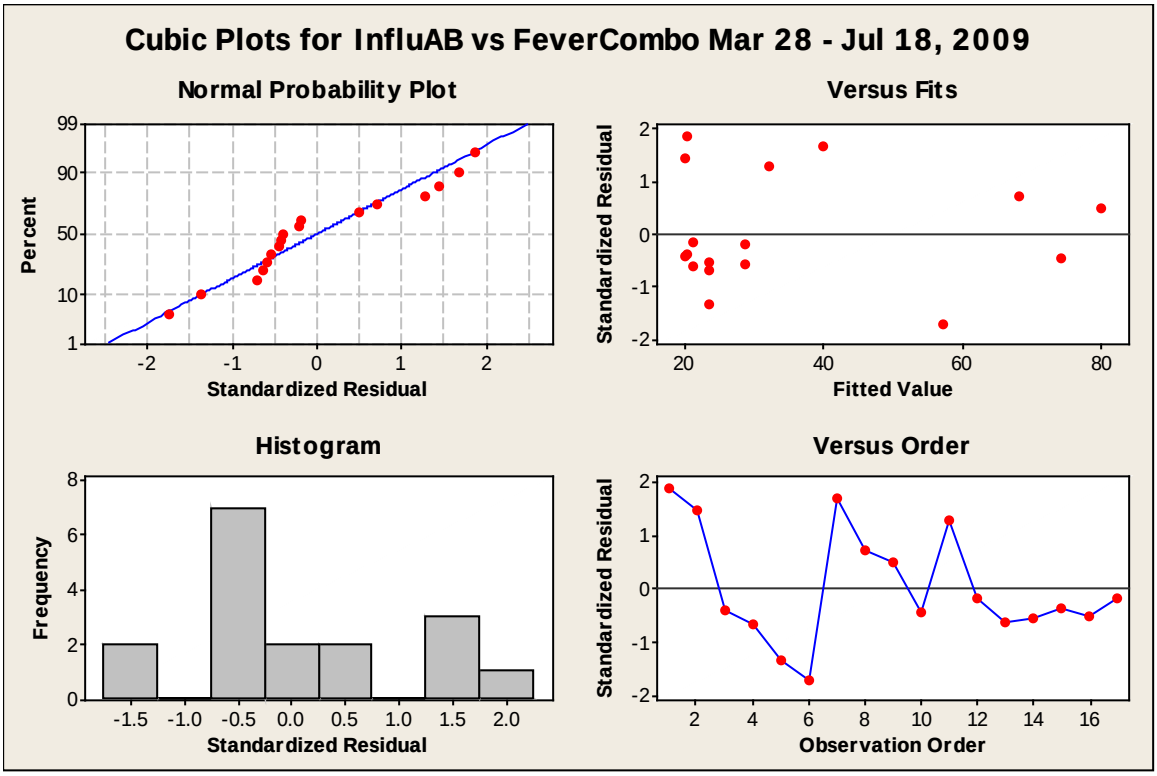
S = 14.6310 R-Sq = 71.5% R-Sq(adj) = 64.9%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	6965.24	2321.75	10.85	0.001
Error	13	2782.88	214.07		
Total	16	9748.12			

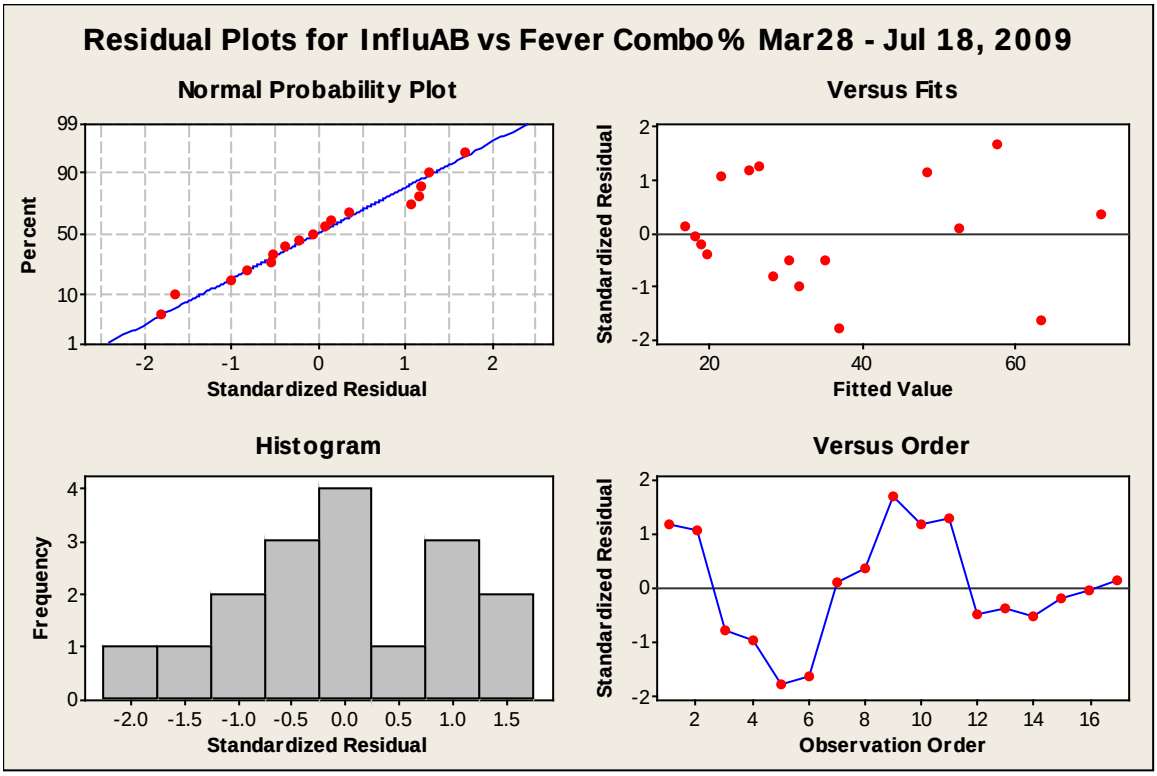
Sequential Analysis of Variance

Source	DF	SS	F	P
Linear	1	4191.46	11.31	0.004
Quadratic	1	1154.21	3.67	0.076
Cubic	1	1619.57	7.57	0.017



InflA&B vs Fever Combo% - Linear

```
InfluAB = - 11.2 + 739 FevC%

Predictor     Coef  SE Coef       T       P
Constant    -11.16    13.17   -0.85   0.410
FevC%        738.8    196.7    3.76   0.002

S = 18.3005   R-Sq = 48.5%   R-Sq(adj) = 45.0%

Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  4724.5  4724.5  14.11  0.002
Residual Error  15  5023.6   334.9
Total           16  9748.1

Durbin-Watson statistic = 0.751283
```



InflA&B vs Fever Combo% - Polynomial

```
InfluAB = 114.0 - 4804 FevC% + 75932 FevC%**2 - 326280 FevC%**3

S = 19.1926   R-Sq = 50.9%   R-Sq(adj) = 39.5%
Analysis of Variance
Source      DF       SS       MS     F      P
Regression   3  4959.47  1653.16  4.49  0.023
Error       13  4788.64   368.36
Total       16  9748.12

Sequential Analysis of Variance
Source     DF       SS      F      P
Linear      1  4724.47  14.11  0.002
Quadratic   1    71.36   0.20  0.660
Cubic       1   163.65   0.44  0.517
```

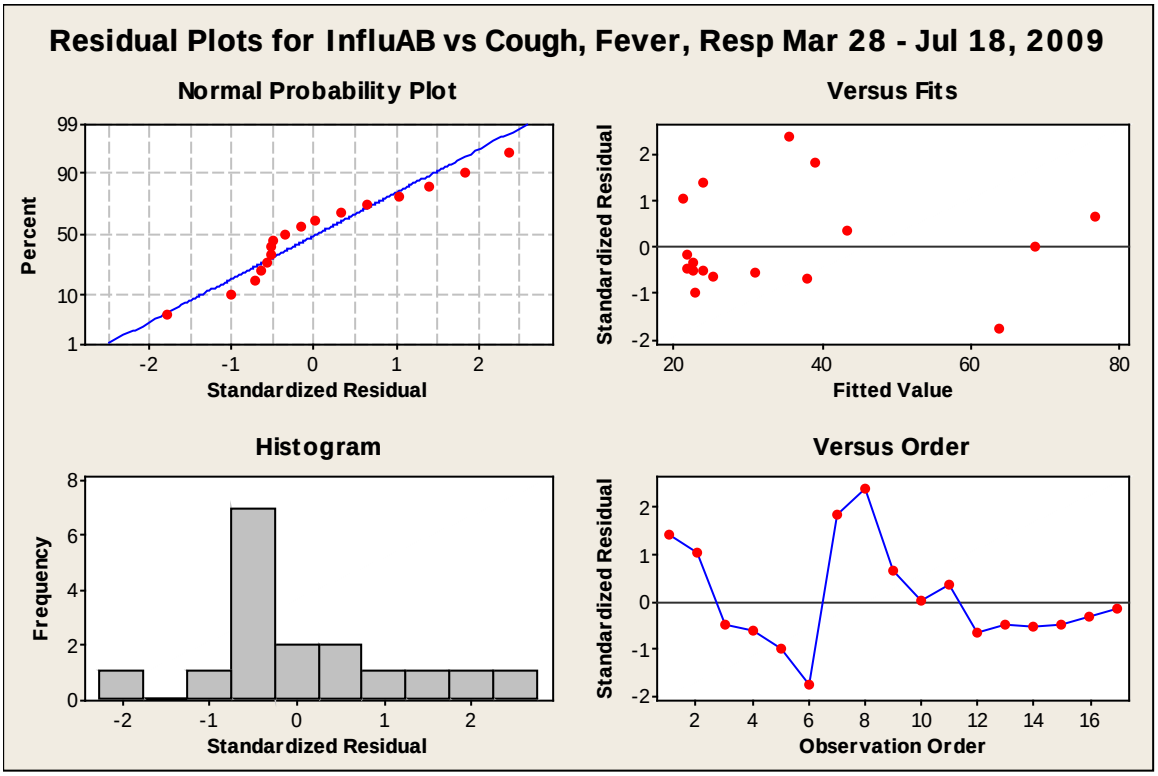
InfluA&B vs Cough, Fever Resp - Linear

```
InfluAB = - 10.1 + 0.979 CoughFevResp

Predictor       Coef  SE Coef      T      P
Constant      -10.14    17.40  -0.58  0.569
CoughFevResp  0.9790   0.3580   2.74  0.015

S = 20.8235   R-Sq = 33.3%   R-Sq(adj) = 28.8%
Analysis of Variance
Source          DF      SS      MS     F      P
Regression       1  3243.8  3243.8  7.48  0.015
Residual Error  15  6504.3   433.6
```

```
Total           16  9748.1

Unusual Observations
Obs  CoughFevResp  InfluAB    Fit  SE Fit  Residual  St Resid
  7          79.0    54.00  67.20   12.67    -13.20     -0.80 X
  8          46.0    77.00  34.89    5.05     42.11      2.08R

R denotes an observation with a large standardized residual.
X denotes an observation whose X value gives it large leverage.
Durbin-Watson statistic = 0.737320
```

InfluA&B vs Cough, Fever Resp - Polynomial

```
InfluAB = 438.1 - 28.37 CoughFevResp + 0.6097 CoughFevResp**2
          - 0.003981 CoughFevResp**3

S = 18.7724   R-Sq = 53.0%   R-Sq(adj) = 42.2%
Analysis of Variance
Source      DF       SS        MS     F      P
Regression   3  5166.86  1722.29  4.89  0.017
Error       13  4581.26   352.40
Total       16  9748.12

Sequential Analysis of Variance
Source     DF       SS     F      P
Linear      1  3243.84  7.48  0.015
Quadratic   1   589.54  1.40  0.257
Cubic       1  1333.48  3.78  0.074
```



InfuA&B vs Cough, Fever Resp%-Linear

```
InfluAB = - 35.0 + 585 CFR%

Predictor    Coef  SE Coef      T      P
Constant   -34.99    22.70  -1.54  0.144
CFR%        585.2    184.5   3.17  0.006

S = 19.7215   R-Sq = 40.2%   R-Sq(adj) = 36.2%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  3914.1  3914.1  10.06  0.006
Residual Error  15  5834.1   388.9
Total           16  9748.1

Durbin-Watson statistic = 0.683612
```

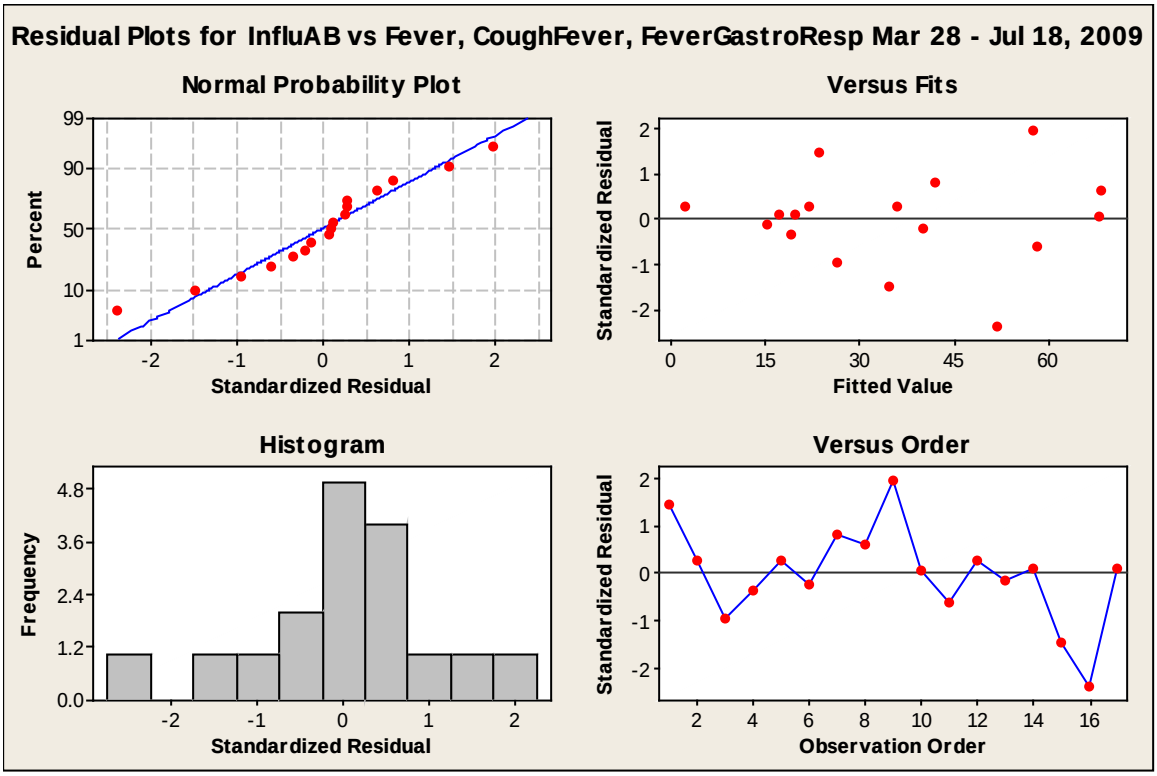
InfuA&B vs Cough, Fever Resp%-Polynomial

```
InfluAB = 503.6 - 11757 CFR% + 91083 CFR%**2 - 217499 CFR%**3

S = 20.1669   R-Sq = 45.8%   R-Sq(adj) = 33.2%
Analysis of Variance
Source      DF       SS       MS     F      P
Regression   3  4460.99  1487.00  3.66  0.041
Error       13  5287.13   406.70
Total       16  9748.12

Sequential Analysis of Variance
Source     DF       SS      F      P
Linear      1  3914.07  10.06  0.006
Quadratic   1   439.04   1.14  0.304
Cubic       1   107.89   0.27  0.615
```

InfluA&B vs Fever, CoughFever, FeverGastroResp%

```
InfluAB = - 1.1 + 171 Fever% + 392 CoughF% + 1245 FevGRes%

Predictor    Coef  SE Coef      T      P
Constant    -1.07    14.14  -0.08  0.941
Fever%      171.3    127.4   1.34  0.202
CoughF%     392.3    209.1   1.88  0.083
FevGRes%   1245.3    383.9   3.24  0.006

S = 16.2718   R-Sq = 64.7%   R-Sq(adj) = 56.5%
Analysis of Variance
Source          DF      SS      MS     F      P
Regression       3  6306.1  2102.0  7.94  0.003
Residual Error  13  3442.0   264.8
Total           16  9748.1

Source    DF  Seq SS
Fever%     1   979.4
CoughF%    1  2539.9
FevGRes%   1  2786.8

Unusual Observations
Obs  Fever%  InfluAB    Fit  SE Fit  Residual  St Resid
 16   0.091    17.00  51.72    7.37    -34.72     -2.39R

R denotes an observation with a large standardized residual.
```

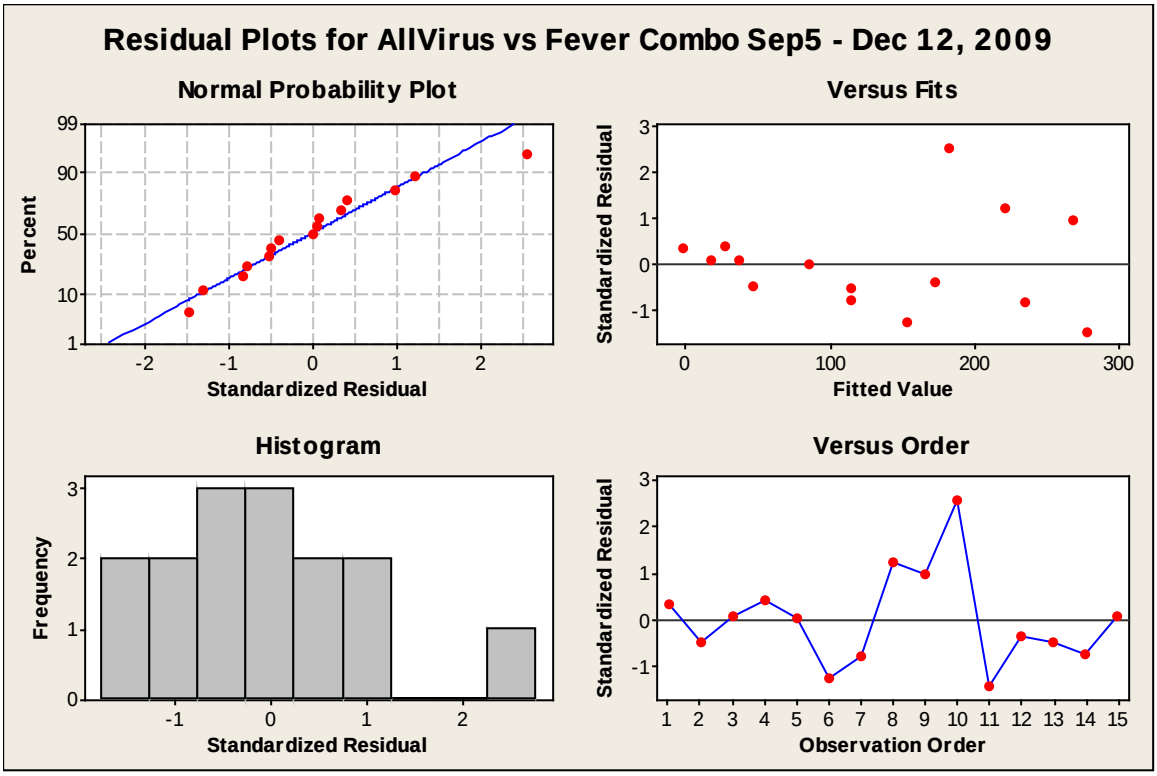
```
Durbin-Watson statistic = 1.30596
```



2nd H1N1 OUTBREAK (SEPTEMBER 5 – DECEMBER 12, 2009)

All Virus vs FeverCombo - Linear

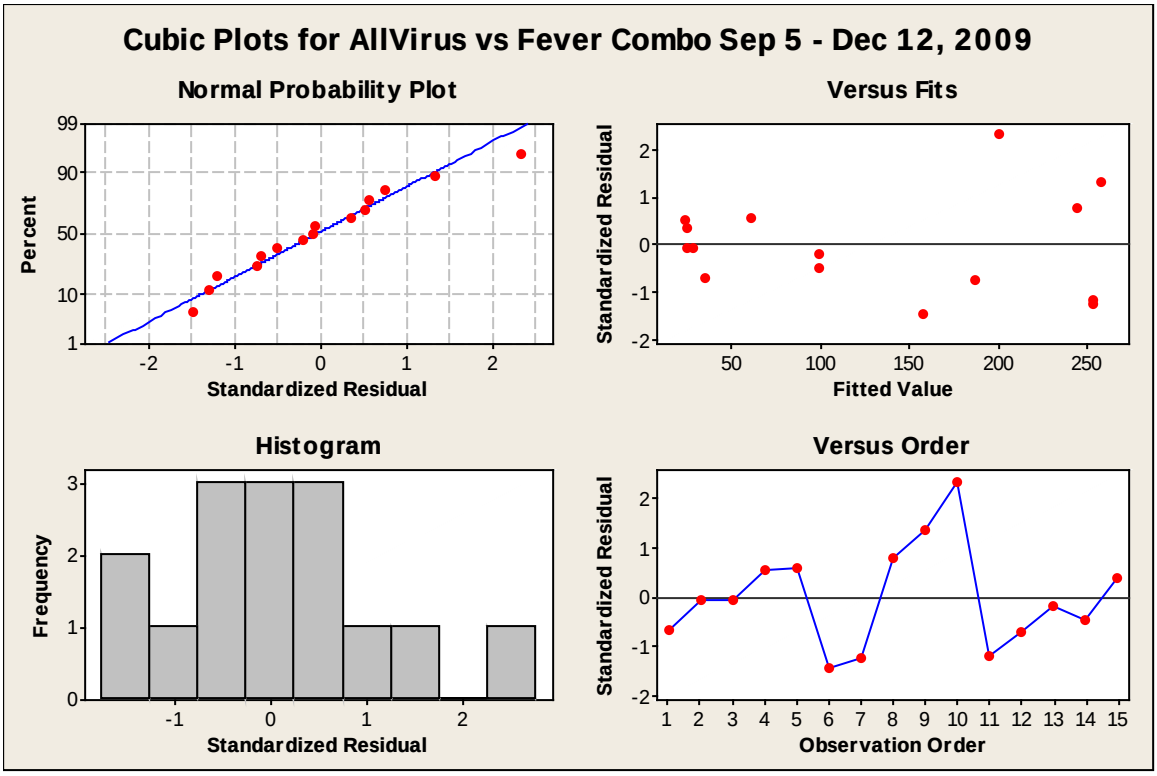
```
AllVirus = - 123 + 4.84 FevC

Predictor      Coef  SE Coef      T      P
Constant    -123.08    38.00  -3.24  0.006
FevC         4.8382   0.6840   7.07  0.000

S = 49.8925   R-Sq = 79.4%   R-Sq(adj) = 77.8%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  124554  124554  50.04  0.000
Residual Error  13   32360    2489
Total           14  156914

Unusual Observations
Date          Obs  FevC  AllVirus    Fit  SE Fit  Residual  St Resid
11/14/2009     10  63.0     303.0  181.7    14.8     121.3     2.55R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.86172
```



All Virus vs FeverCombo - Polynomial

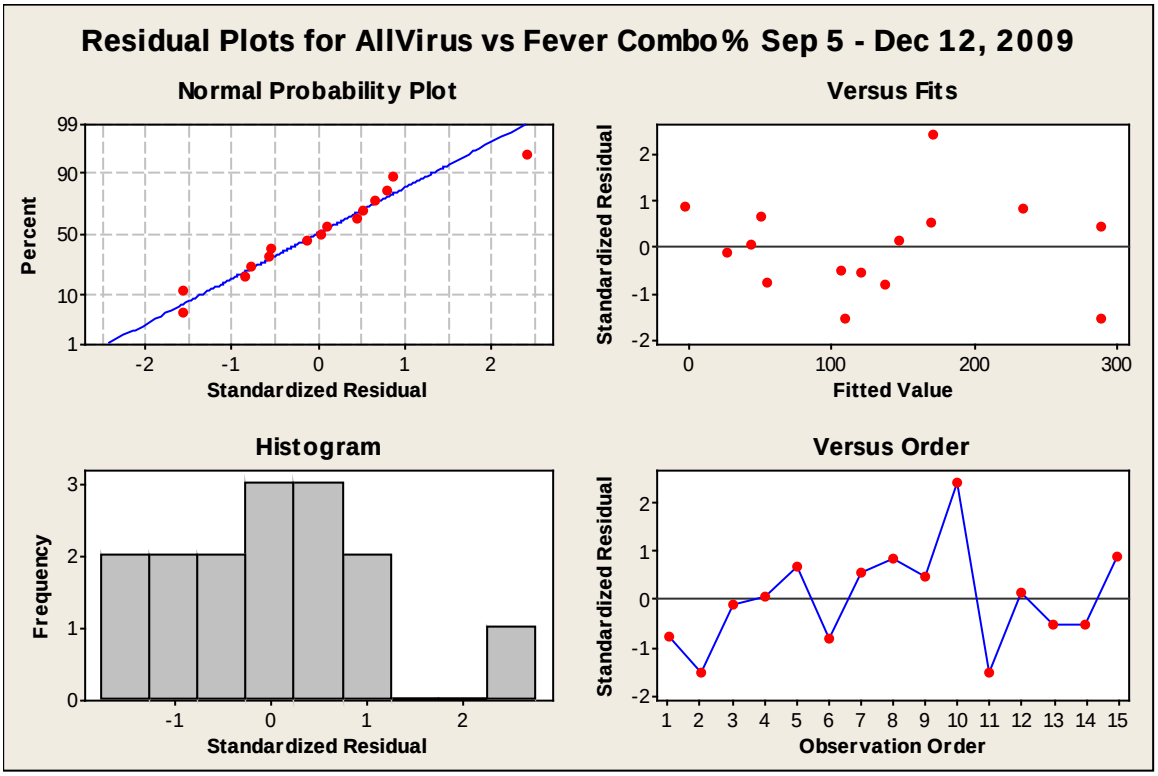
```
AllVirus = 450.7 - 31.87 FevC + 0.7181 FevC**2 - 0.004369 FevC**3

S = 49.7275   R-Sq = 82.7%   R-Sq(adj) = 77.9%
Analysis of Variance
Source       DF      SS       MS      F      P
Regression    3  129713  43237.8  17.49  0.000
```

```
Error        11   27201   2472.8
Total        14  156914

Sequential Analysis of Variance
Source     DF      SS      F      P
Linear      1  124554  50.04  0.000
Quadratic   1      22   0.01  0.930
Cubic       1    5138   2.08  0.177
```



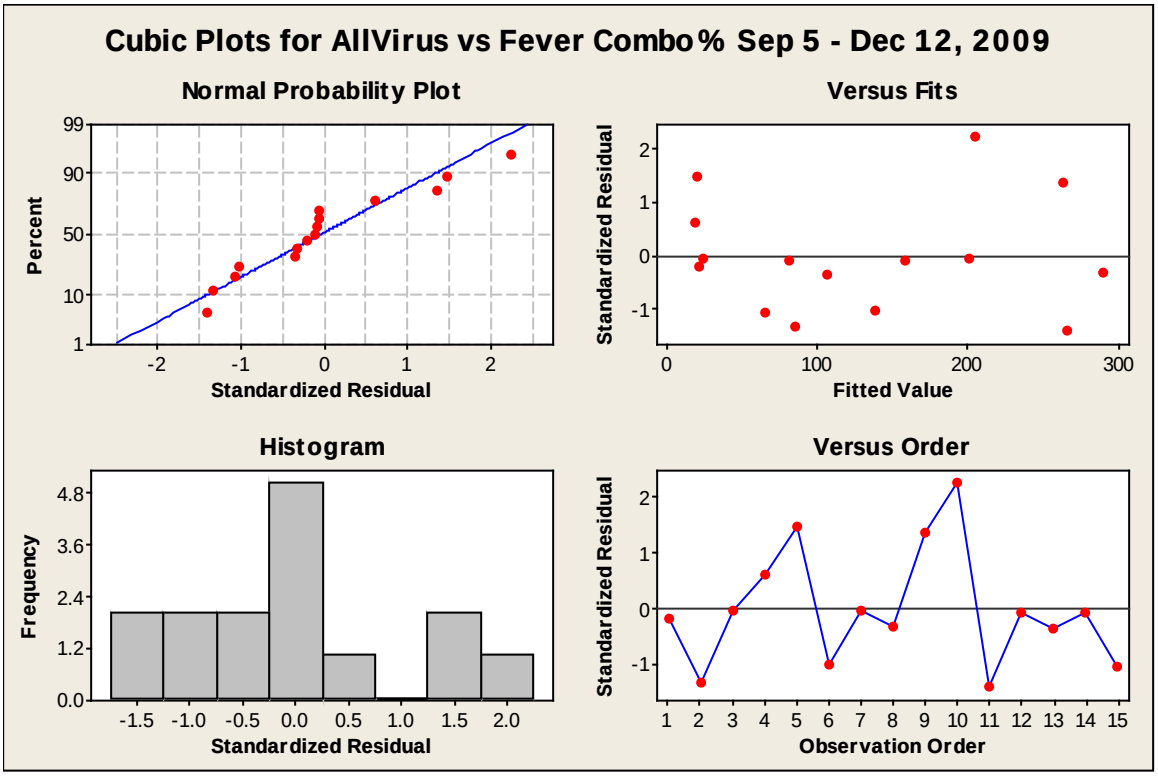
All Virus vs Fever Combo%-Linear

```
AllVirus = - 246 + 4689 FevC%

Predictor      Coef  SE Coef      T      P
Constant    -246.19    64.73  -3.80  0.002
FevC%        4688.7    786.1   5.96  0.000

S = 56.8385   R-Sq = 73.2%   R-Sq(adj) = 71.2%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  114916  114916  35.57  0.000
Residual Error  13   41998    3231
Total           14  156914

Unusual Observations
Date          Obs  FevC%  AllVirus    Fit  SE Fit  Residual  St Resid
11/7/09        10  0.089     303.0  171.6    16.3     131.4     2.41R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 2.13572
```



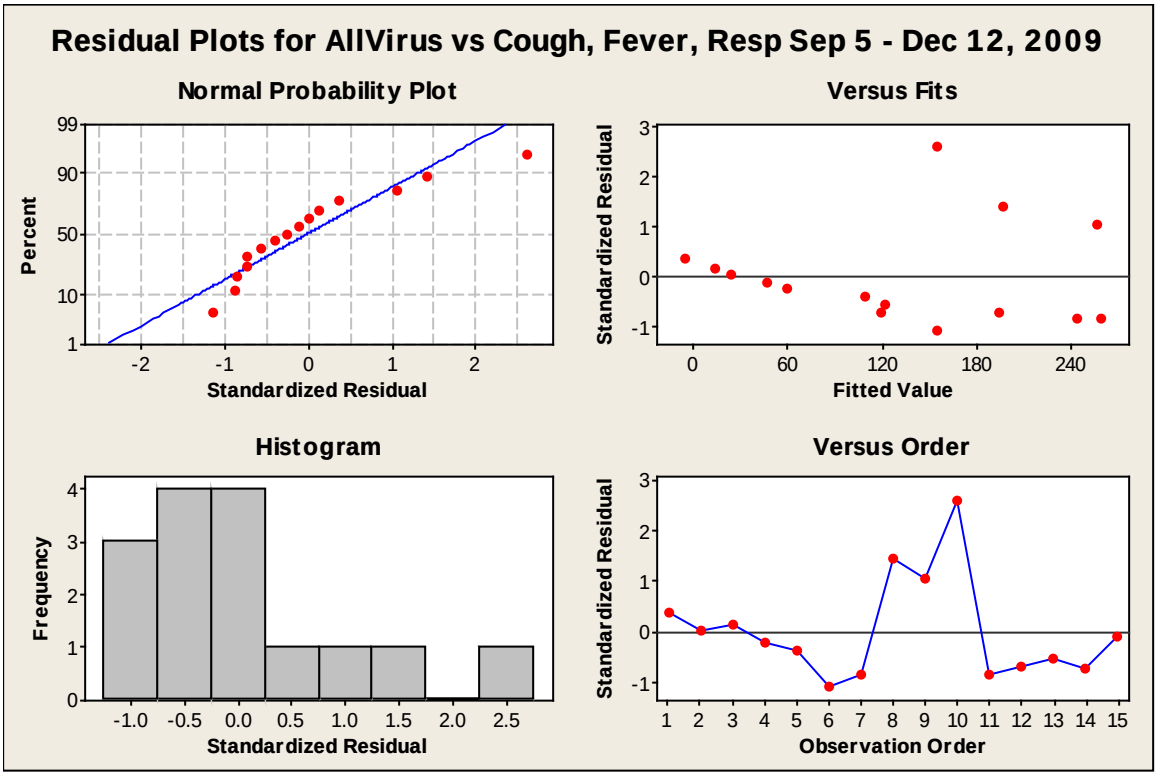
All Virus vs Fever Combo% - Polynomial

```
AllVirus = 3023 - 121037 FevC% + 1553904 FevC%**2 - 6176953 FevC%**3

S = 49.3037   R-Sq = 83.0%   R-Sq(adj) = 78.3%
Analysis of Variance
Source      DF      SS       MS      F      P
Regression   3  130175  43391.7  17.85  0.000
Error       11   26739   2430.9
Total       14  156914

Sequential Analysis of Variance
Source     DF      SS      F      P
Linear      1  114916  35.57  0.000
Quadratic   1      11   0.00  0.957
Cubic       1   15248   6.27  0.029
```



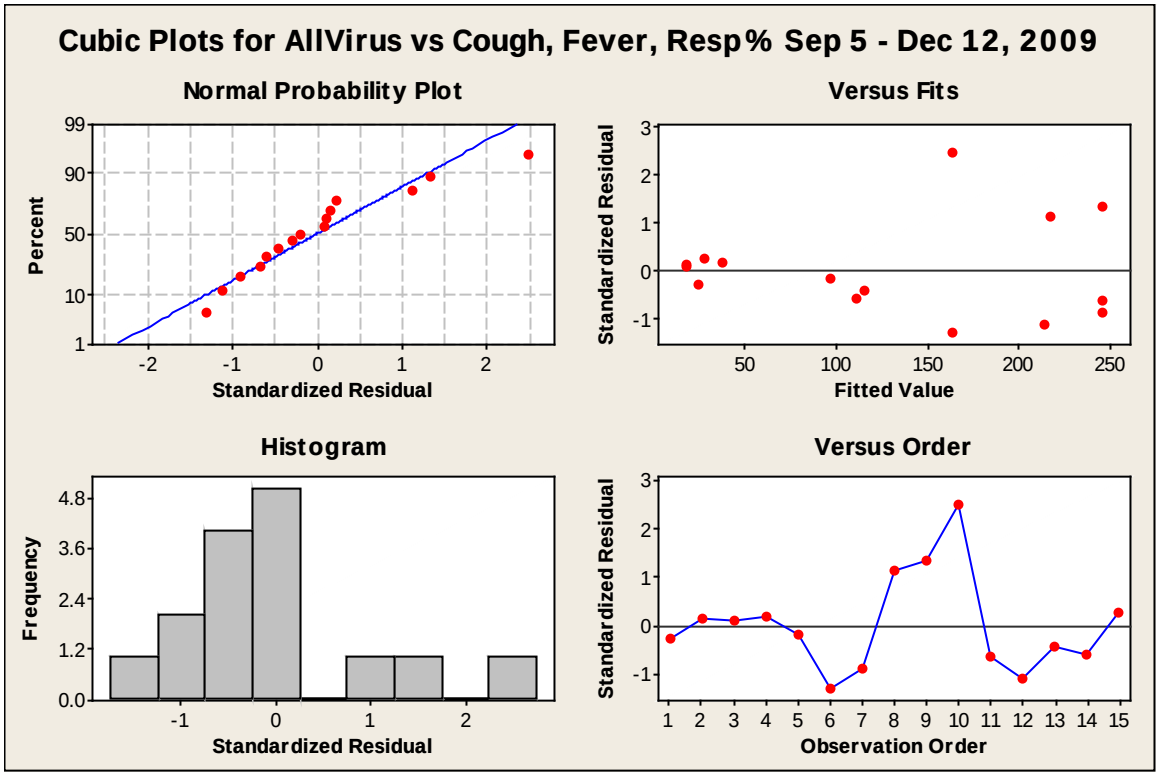
All Virus vs Cough, Fever, Resp - Linear

```
AllVirus = - 151 + 3.29 CoughFevResp

Predictor        Coef  SE Coef      T      P
Constant      -150.86    51.68  -2.92  0.012
CoughFevResp   3.2864   0.5784   5.68  0.000

S = 58.8662   R-Sq = 71.3%   R-Sq(adj) = 69.1%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  111866  111866  32.28  0.000
Residual Error  13   45048    3465
Total           14  156914

Unusual Observations
Date          Obs  CoughFevResp  AllVirus    Fit  SE Fit  Residual  St Resid
11/7/2009      10            93     303.0  154.8    15.8     148.2     2.61R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.47658
```



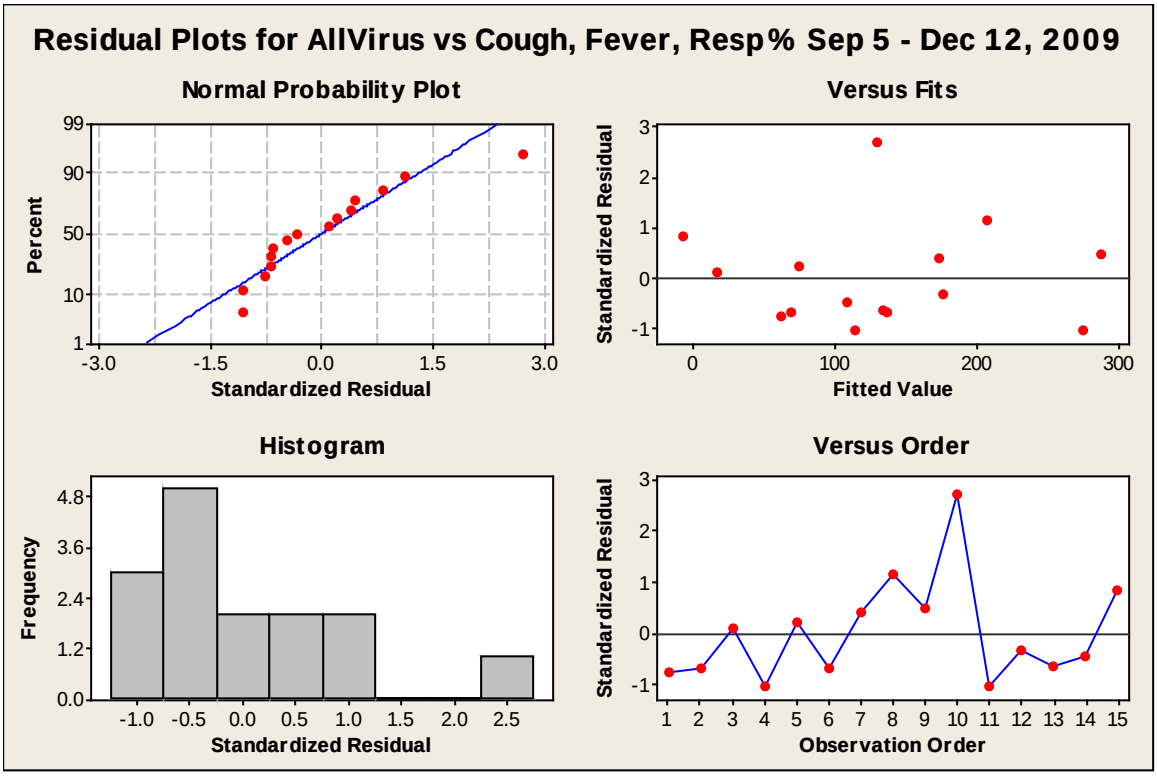
All Virus vs Cough, Fever, Resp - Polynomial

```
AllVirus = 538.9 - 23.85 CoughFevResp + 0.3324 CoughFevResp**2
           - 0.001283 CoughFevResp**3

S = 61.6000   R-Sq = 73.4%   R-Sq(adj) = 66.1%
Analysis of Variance
Source       DF      SS       MS      F      P
Regression    3  115174  38391.4  10.12  0.002
Error        11   41740   3794.6
Total        14  156914

Sequential Analysis of Variance
Source      DF      SS      F      P
Linear       1  111866  32.28  0.000
Quadratic    1      26   0.01  0.935
Cubic        1    3282   0.86  0.372
```



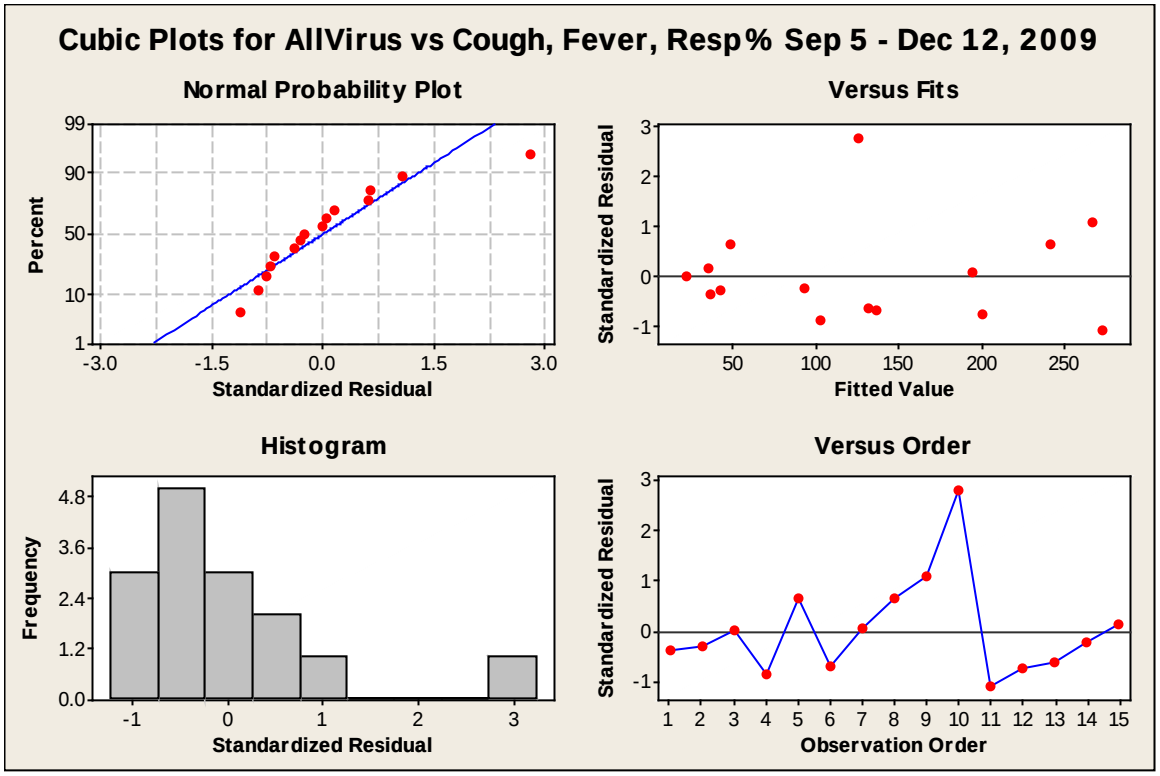
AllVirus vs Cough, Fever, Resp% -Linear

```
AllVirus = - 348 + 3624 CFR%

Predictor     Coef  SE Coef      T      P
Constant    -348.0    101.1  -3.44  0.004
CFR%        3624.5    755.9   4.79  0.000

S = 66.0295   R-Sq = 63.9%   R-Sq(adj) = 61.1%

Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  100236  100236  22.99  0.000
Residual Error  13   56679    4360
Total           14  156914

Unusual Observations
Date          Obs   CFR%  AllVirus    Fit  SE Fit  Residual  St Resid
11/7/09        10  0.132     303.0  128.8    17.1     174.2     2.73R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.97260
```



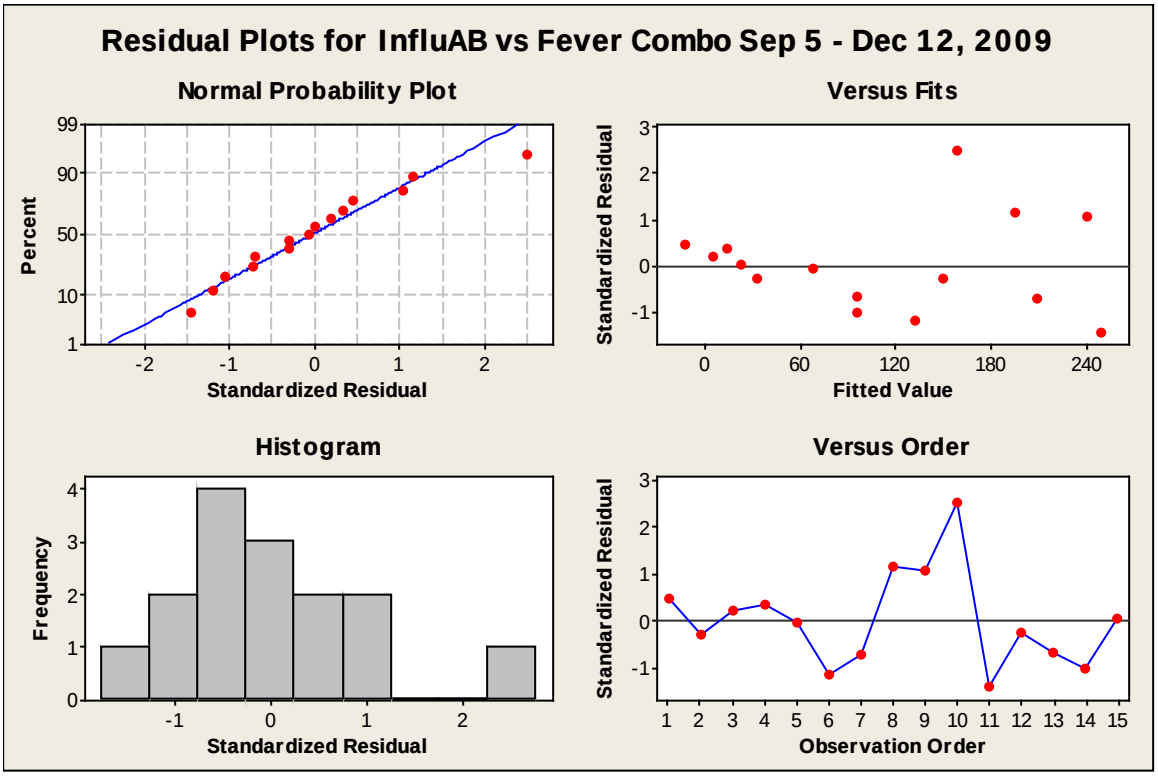
AllVirus vs Cough, Fever, Resp% -Polynomial

```
AllVirus = 3852 - 93686 CFR% + 734473 CFR%**2 - 1806727 CFR%**3

S = 67.4147   R-Sq = 68.1%   R-Sq(adj) = 59.5%
Analysis of Variance
Source       DF      SS        MS      F      P
Regression    3  106922   35640.8   7.84  0.004
Error        11   49992    4544.7
Total        14  156914

Sequential Analysis of Variance
Source      DF      SS      F      P
Linear       1  100236  22.99  0.000
Quadratic    1     130   0.03  0.871
Cubic        1    6557   1.44  0.255
```



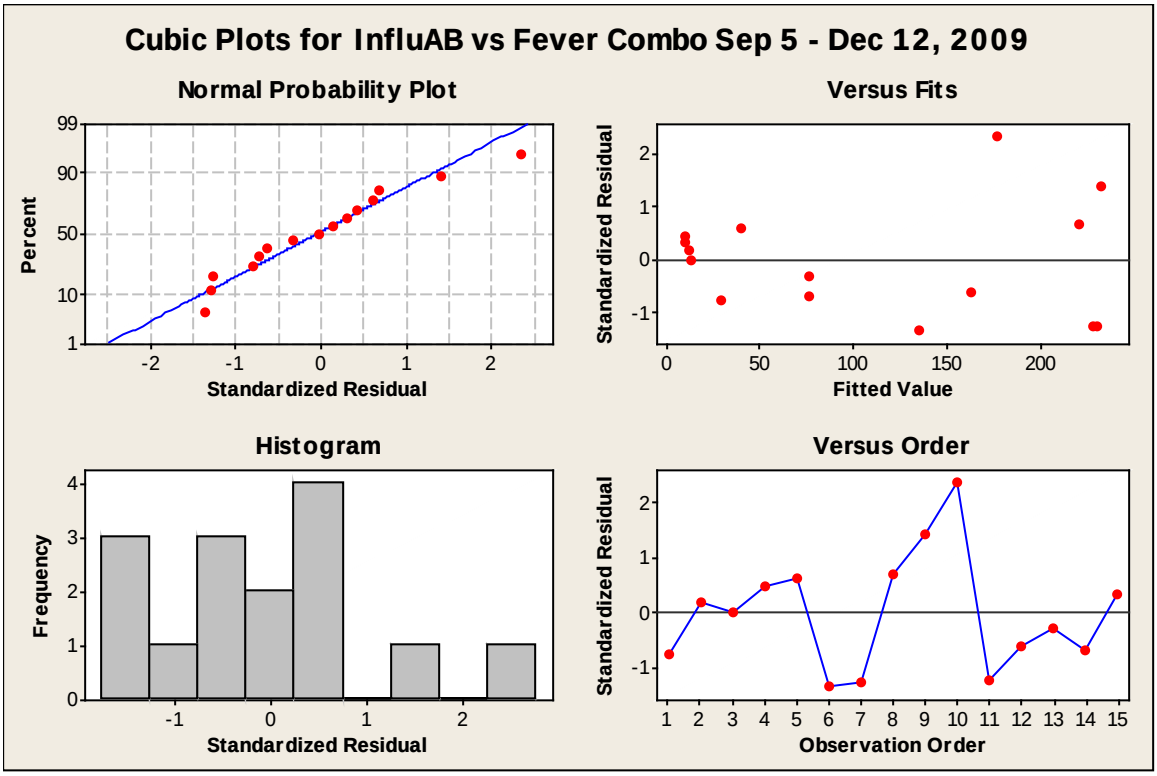
InfluA&B vs FeverCombo - Linear

```
InfluAB = - 128 + 4.56 FevC

Predictor      Coef  SE Coef       T      P
Constant    -128.33    37.24   -3.45  0.004
FevC         4.5650   0.6704    6.81  0.000

S = 48.9002   R-Sq = 78.1%   R-Sq(adj) = 76.4%
Analysis of Variance
Source           DF      SS      MS      F      P
Regression        1  110883  110883  46.37  0.000
Residual Error   13   31086    2391
Total            14  141969

Unusual Observations
Obs  FevC  InfluAB    Fit  SE Fit  Residual  St Resid
 10  63.0    276.0  159.3    14.5     116.7     2.50R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.77398
```



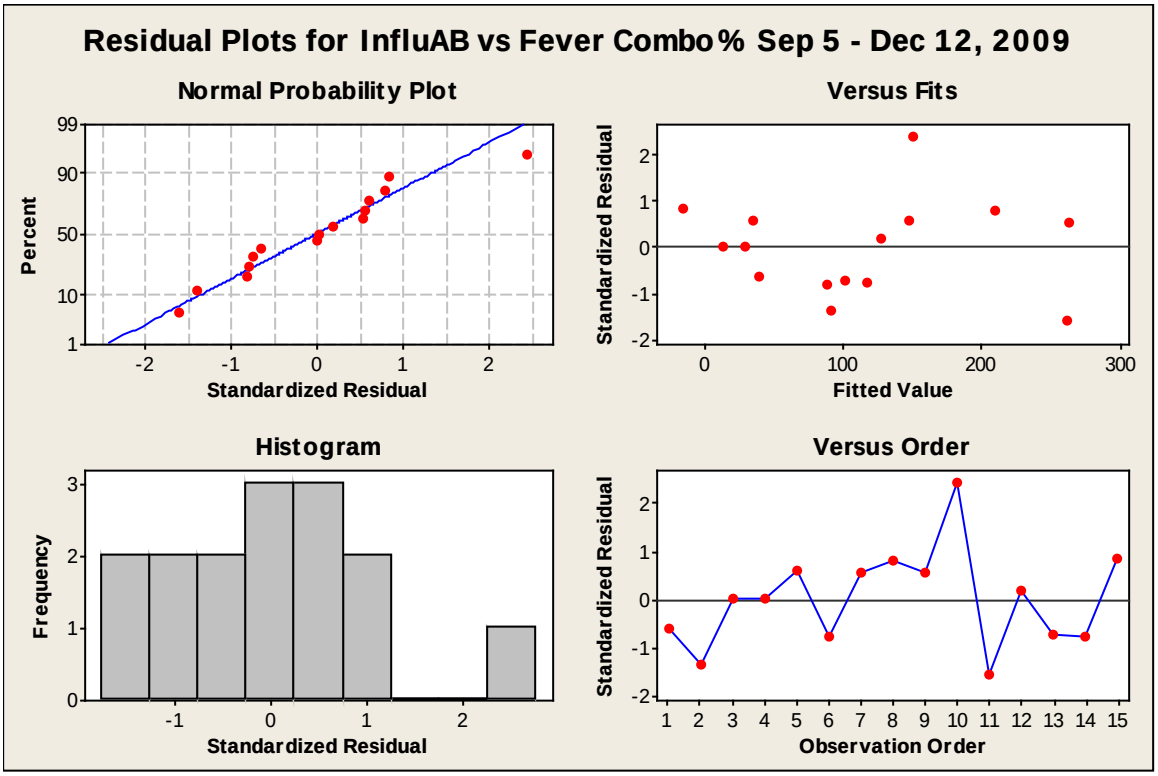
InfluA&B vs FeverCombo - Polynomial

```
InfluAB = 512.7 - 36.00 FevC + 0.7847 FevC**2 - 0.004725 FevC**3

S = 47.5538   R-Sq = 82.5%   R-Sq(adj) = 77.7%
Analysis of Variance
Source      DF      SS       MS      F      P
Regression   3  117094  39031.3  17.26  0.000
Error       11   24875   2261.4
Total       14  141969

Sequential Analysis of Variance
Source     DF      SS      F      P
Linear      1  110883  46.37  0.000
Quadratic   1     202   0.08  0.784
Cubic       1    6009   2.66  0.131
```



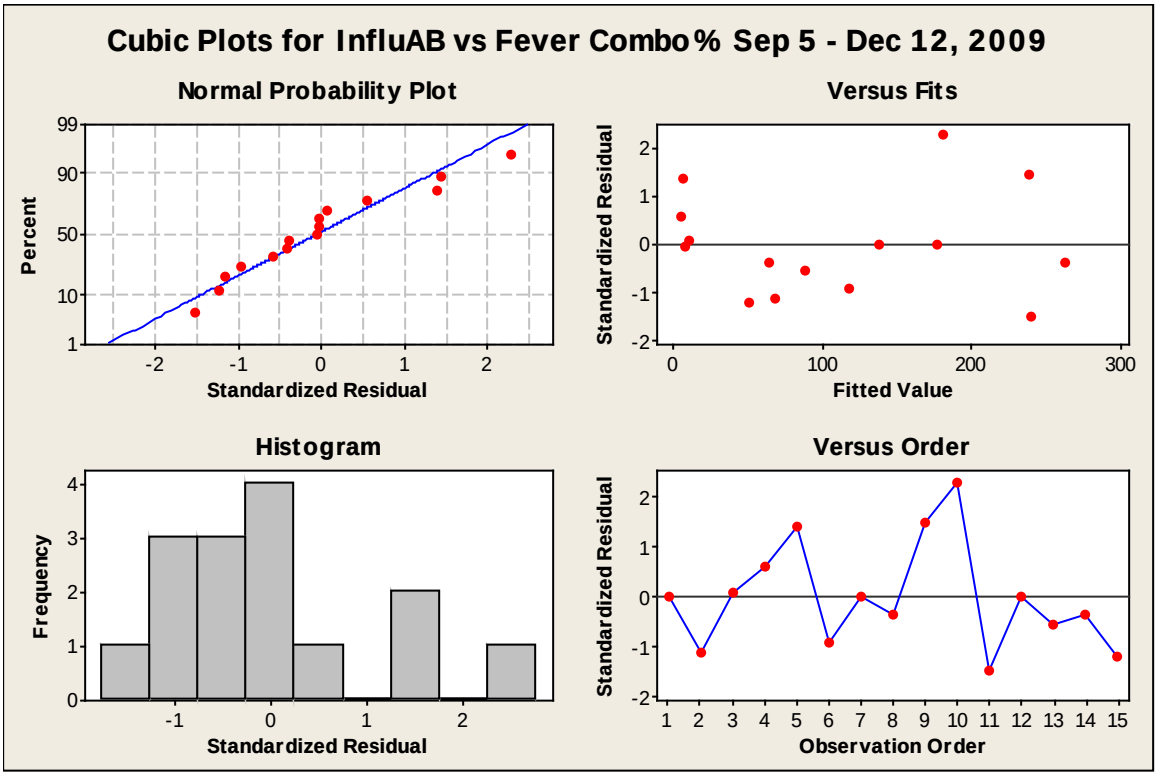
InfluA&B vs Fever Combo% - Linear

```
InfluAB = - 247 + 4460 FevC%

Predictor      Coef  SE Coef      T      P
Constant    -247.38    61.56  -4.02  0.001
FevC%        4460.0    747.7   5.96  0.000

S = 54.0584   R-Sq = 73.2%   R-Sq(adj) = 71.2%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  103979  103979  35.58  0.000
Residual Error  13   37990    2922
Total           14  141969

Unusual Observations
Obs  FevC%  InfluAB    Fit  SE Fit  Residual  St Resid
 10  0.089    276.0  150.0    15.5     126.0      2.43R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 2.20989
```



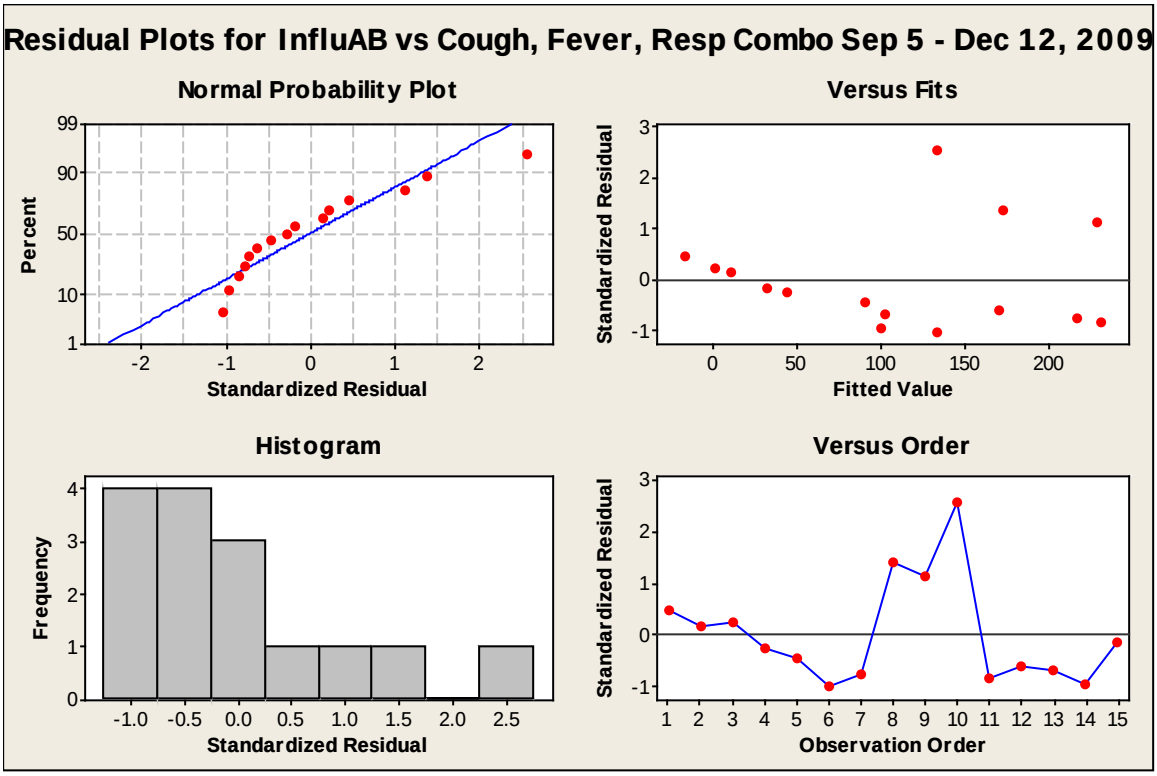
InfluA&B vs Fever Combo% - Polynomial

```
InfluAB = 2890 - 116099 FevC% + 1488721 FevC%**2 - 5912959 FevC%**3


S = 46.7043   R-Sq = 83.1%   R-Sq(adj) = 78.5%
Analysis of Variance
Source       DF       SS        MS       F       P
Regression    3   117975   39324.9   18.03   0.000
Error        11    23994    2181.3
Total        14   141969

Sequential Analysis of Variance
Source      DF       SS       F       P
Linear       1   103979   35.58   0.000
Quadratic    1       23    0.01   0.933
Cubic        1    13972    6.41   0.028
```



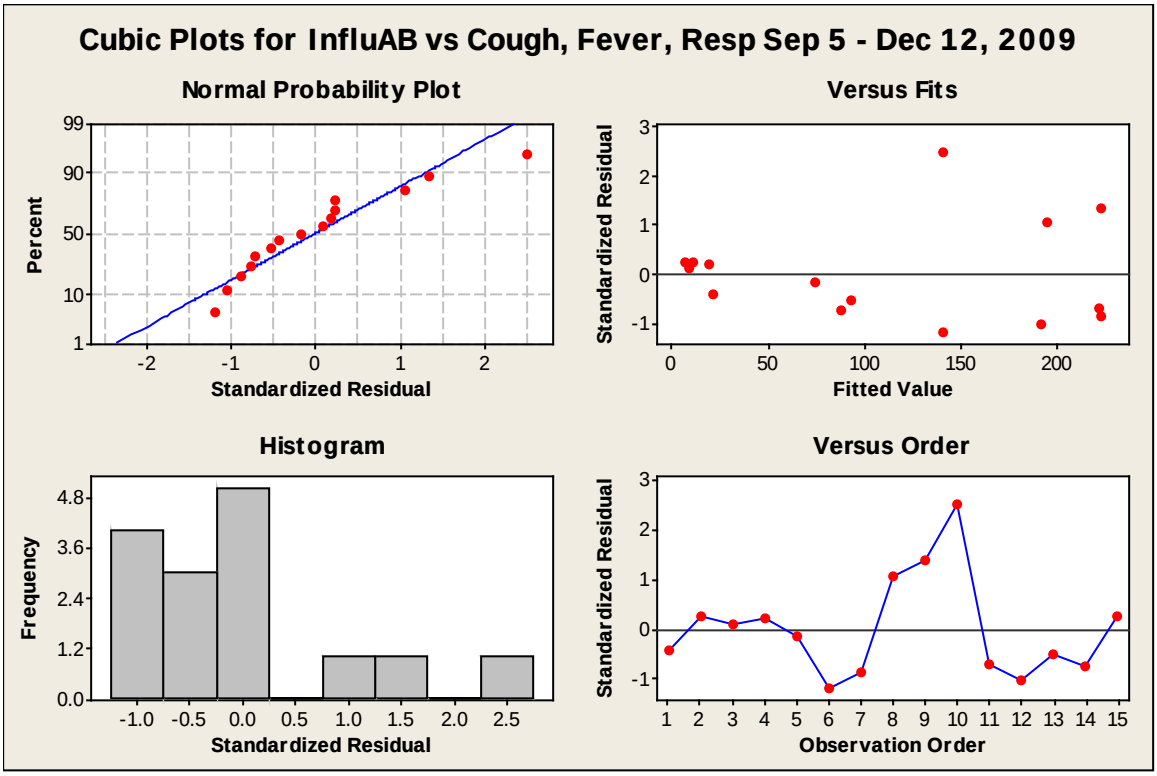
InfluA&B vs Cough, Fever, Resp Combo-Linear

```
InfluAB = - 153 + 3.09 CoughFevResp

Predictor        Coef  SE Coef      T      P
Constant      -153.22    50.71  -3.02  0.010
CoughFevResp   3.0853   0.5676   5.44  0.000

S = 57.7618   R-Sq = 69.4%   R-Sq(adj) = 67.1%

Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1   98595   98595  29.55  0.000
Residual Error  13   43374    3336
Total           14  141969

Unusual Observations
Obs  CoughFevResp  InfluAB    Fit  SE Fit  Residual  St Resid
 10            93    276.0  133.7    15.5     142.3     2.56R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.38422
```



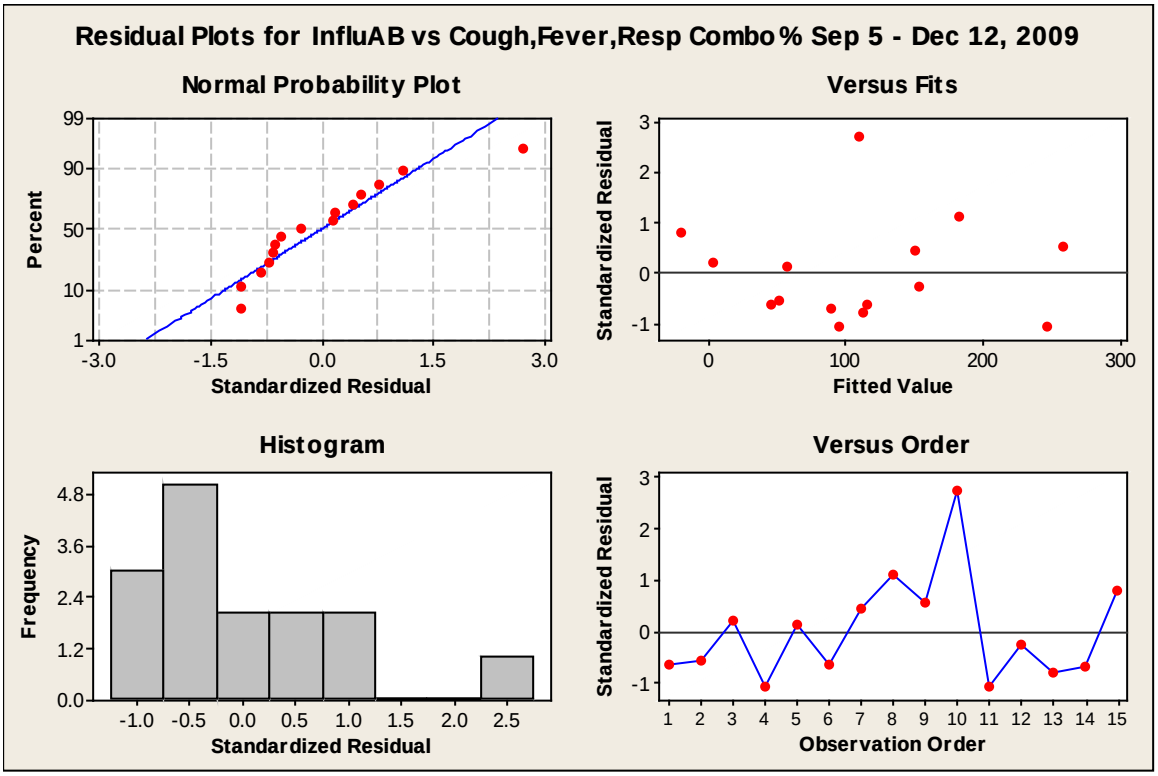
InfluA&B vs Cough, Fever, Resp Combo-Polynomial

```
InfluAB = 637.9 - 27.56 CoughFevResp + 0.3697 CoughFevResp**2
          - 0.001406 CoughFevResp**3


S = 59.6240   R-Sq = 72.5%   R-Sq(adj) = 64.9%


Analysis of Variance

Source       DF      SS       MS     F      P
Regression    3  102864  34287.9  9.64  0.002
Error        11   39105   3555.0
Total        14  141969


Sequential Analysis of Variance

Source      DF       SS      F      P
Linear       1  98595.4  29.55  0.000
Quadratic    1    323.9   0.09  0.769
Cubic        1   3944.4   1.11  0.315
```



InfluA&B vs Cough, Fever, Resp% - Linear

```
InfluAB = - 342 + 3427 CFR%

Predictor      Coef  SE Coef       T      P
Constant    -341.54    97.16   -3.52  0.004
CFR%         3427.2    726.5    4.72  0.000

S = 63.4559   R-Sq = 63.1%   R-Sq(adj) = 60.3%
Analysis of Variance
Source          DF      SS     MS      F      P
Regression       1   89622  89622  22.26  0.000
Residual Error  13   52346   4027
Total           14  141969

Unusual Observations
Obs   CFR%  InfluAB    Fit  SE Fit  Residual  St Resid
 10  0.132    276.0  109.3    16.4     166.7      2.72R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.97396
```



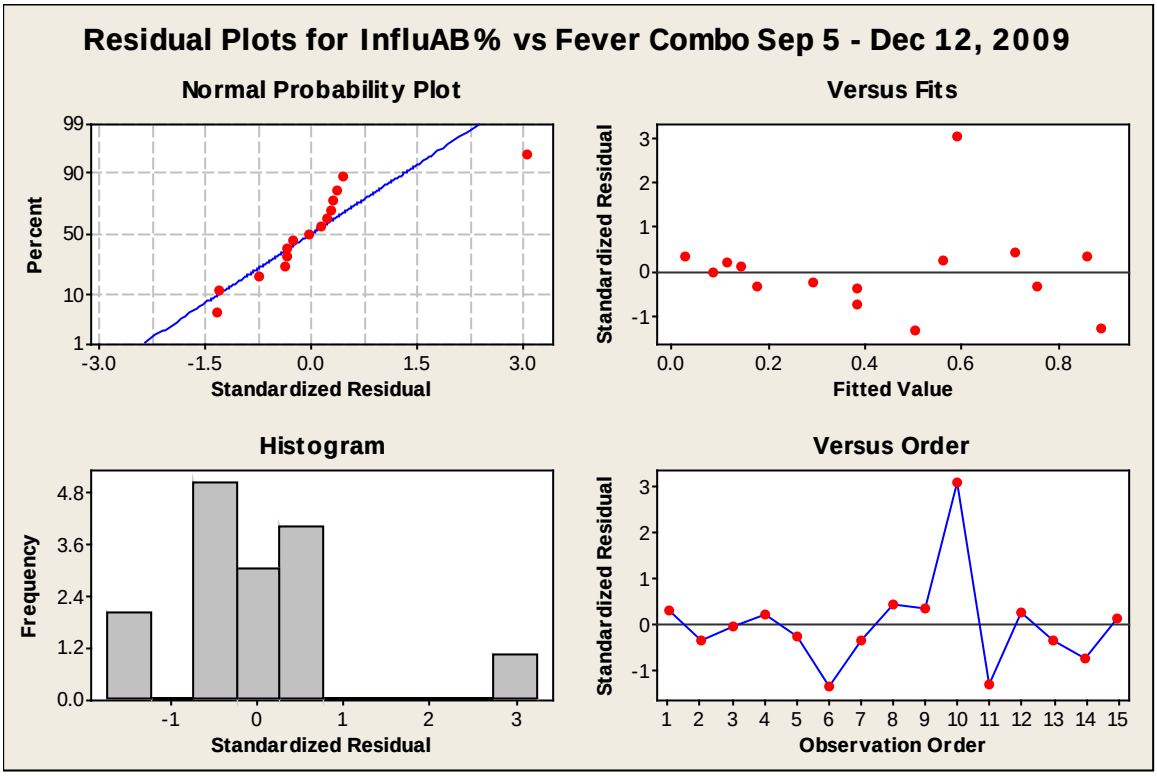
InfluA&B vs Cough, Fever, Resp% - Polynomial

```
InfluAB = 3613 - 87891 CFR% + 686978 CFR%**2 - 1684558 CFR%**3

S = 64.9487   R-Sq = 67.3%   R-Sq(adj) = 58.4%
Analysis of Variance
Source       DF       SS        MS      F      P
Regression    3    95567   31855.7   7.55  0.005
Error        11    46402    4218.3
Total        14   141969

Sequential Analysis of Variance
Source      DF        SS       F      P
Linear       1   89622.4   22.26  0.000
Quadratic    1     244.5    0.06  0.816
Cubic        1    5700.2    1.35  0.270
```

InfluA&B% vs Fever Combo - Linear

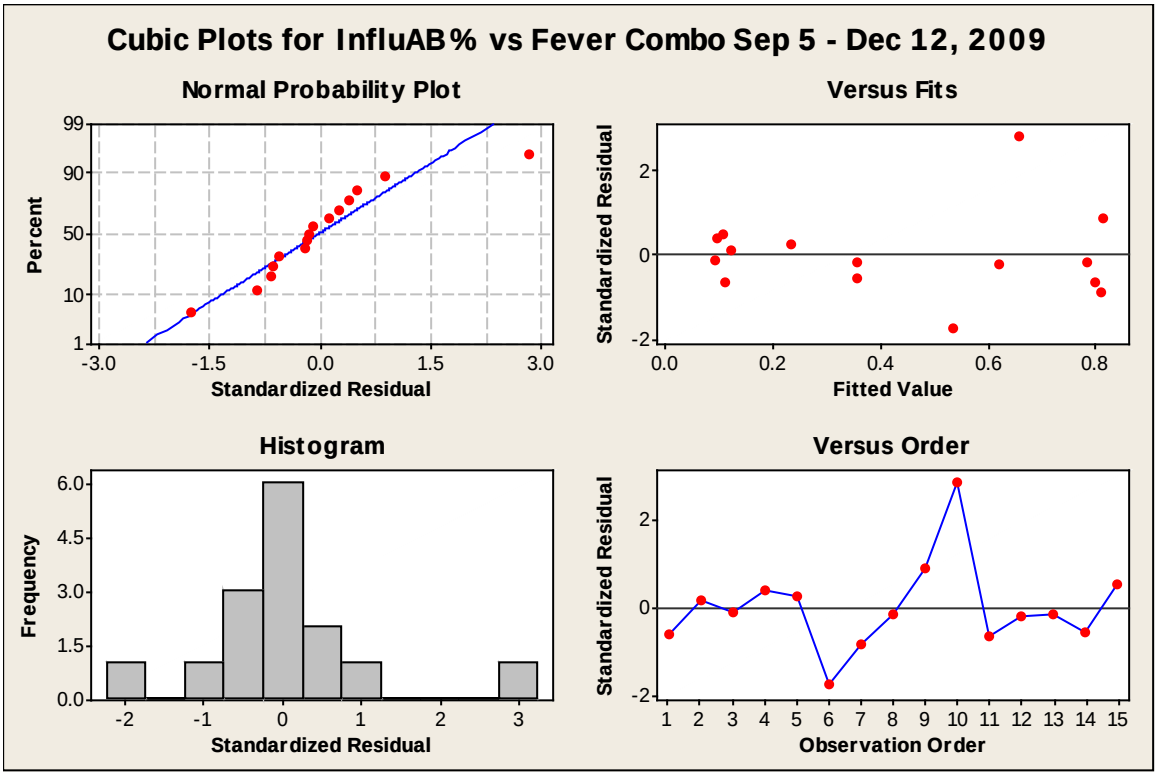
```
InfluAB% = - 0.350 + 0.0150 FevC

Predictor       Coef    SE Coef       T      P
Constant    -0.35048    0.09658   -3.63  0.003
FevC        0.014980   0.001738    8.62  0.000

S = 0.126805   R-Sq = 85.1%   R-Sq(adj) = 84.0%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  1.1940  1.1940  74.26  0.000
Residual Error  13  0.2090  0.0161
Total           14  1.4030
```

```
Unusual Observations
Obs   FevC   InfluAB%     Fit   SE Fit   Residual   St Resid
 10   63.0     0.9650   0.5933   0.0377     0.3718      3.07R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 2.30534
```



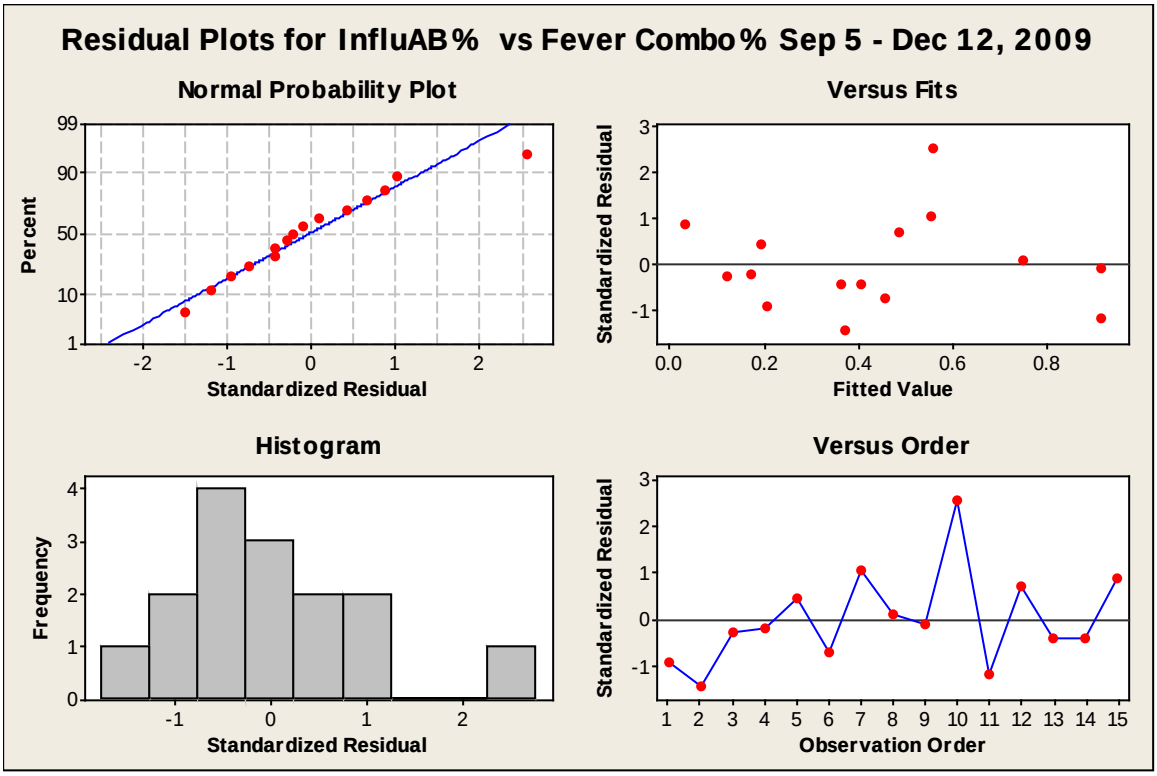
InfluA&B% vs Fever Combo - Polynomial

```
InfluAB% = 1.199 - 0.08654 FevC + 0.002034 FevC**2 - 0.000013 FevC**3

S = 0.122350   R-Sq = 88.3%   R-Sq(adj) = 85.1%
Analysis of Variance
Source       DF        SS        MS      F      P
Regression    3   1.23836  0.412785  27.57  0.000
Error        11   0.16467  0.014970
Total        14   1.40302

Sequential Analysis of Variance
Source      DF        SS      F      P
Linear       1   1.19399  74.26  0.000
Quadratic    1   0.00133   0.08  0.786
Cubic        1   0.04304   2.87  0.118
```



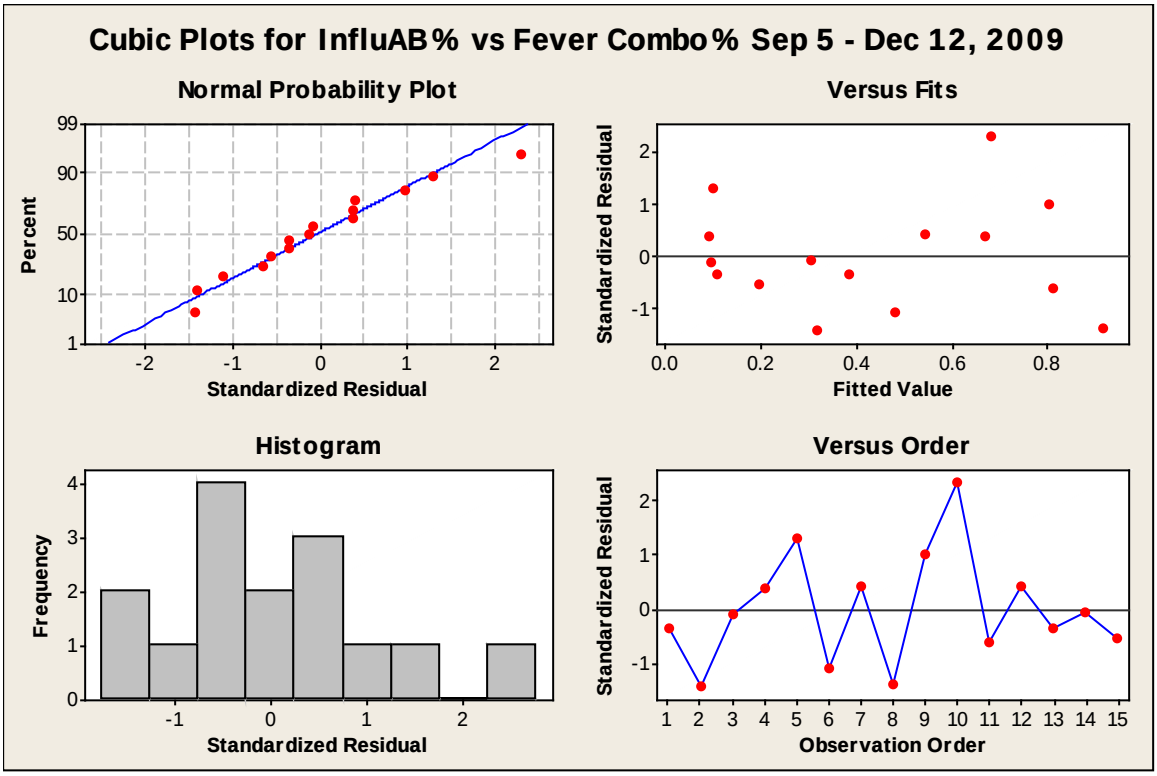
InfluA&B% vs Fever Combo% - Liniear

```
 InfluAB% = - 0.702 + 14.1 FevC%

Predictor      Coef  SE Coef       T      P
Constant    -0.7021   0.1886   -3.72  0.003
FevC%        14.148    2.291    6.18  0.000

S = 0.165647   R-Sq = 74.6%   R-Sq(adj) = 72.6%
Analysis of Variance
Source          DF      SS      MS      F      P
Regression       1  1.0463  1.0463  38.13  0.000
Residual Error  13  0.3567  0.0274
Total           14  1.4030

Unusual Observations
Obs  FevC%  InfluAB%     Fit  SE Fit  Residual  St Resid
 10  0.089    0.9650  0.5586  0.0474    0.4064      2.56R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 2.36670
```



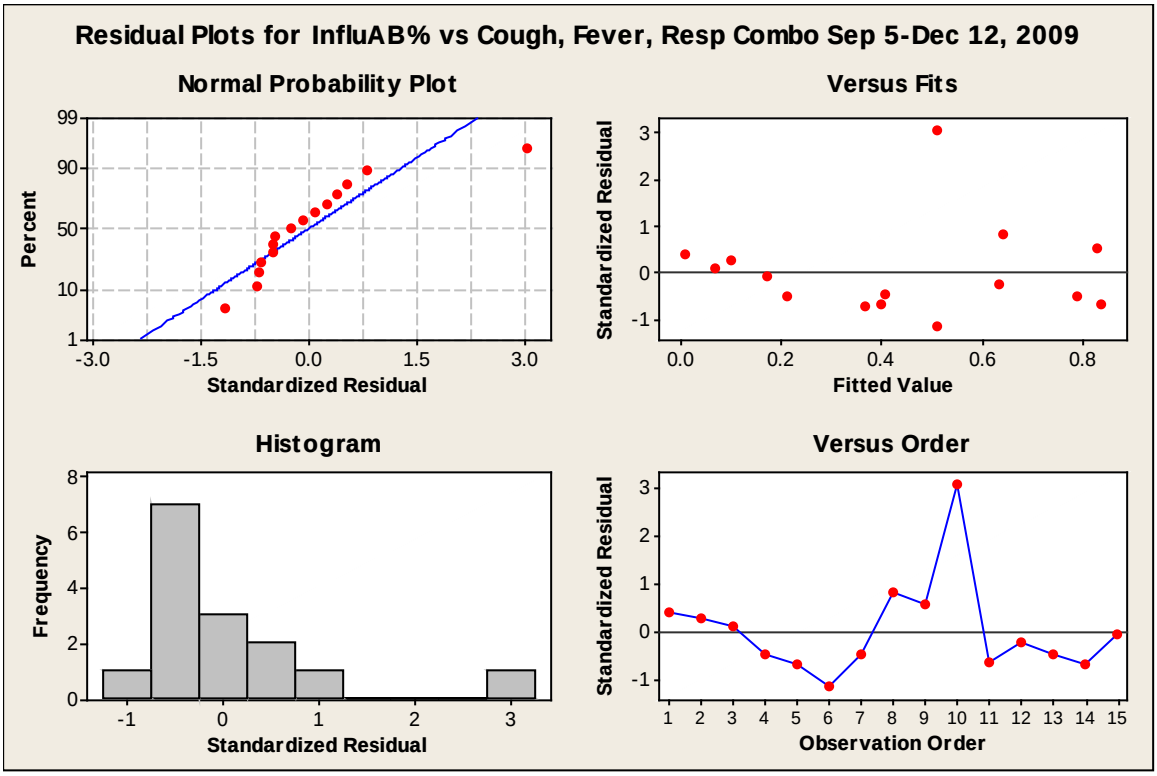
InfluA&B% vs Fever Combo% - Polynomial

```
InfluAB% = 8.753 - 355.1 FevC% + 4630 FevC%**2 - 18649 FevC%**3


S = 0.138807   R-Sq = 84.9%   R-Sq(adj) = 80.8%
Analysis of Variance
Source       DF        SS         MS       F       P
Regression    3   1.19108   0.397026   20.61   0.000
Error        11   0.21194   0.019267
Total        14   1.40302

Sequential Analysis of Variance
Source      DF        SS       F       P
Linear       1   1.04631   38.13   0.000
Quadratic    1   0.00578    0.20   0.664
Cubic        1   0.13898    7.21   0.021
```



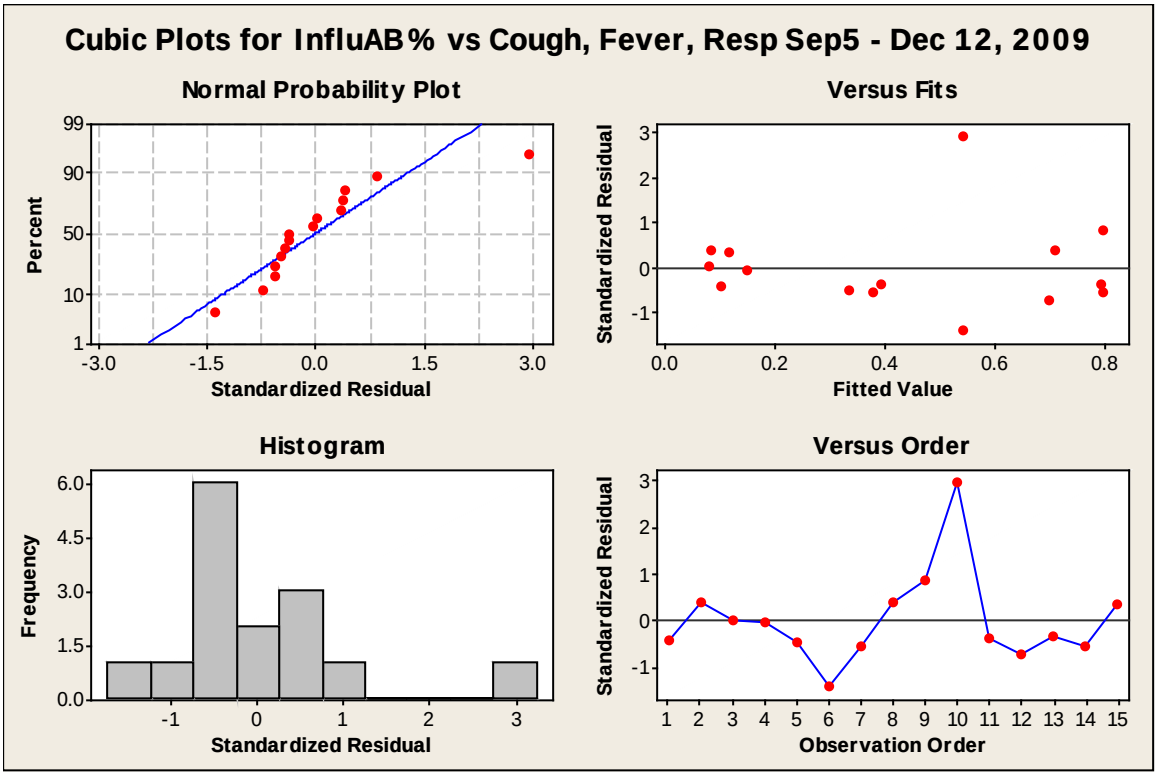
InfluA&B% vs Cough, Fever, Resp - Linear

```
InfluAB% = - 0.446 + 0.0103 CoughFevResp
Predictor          Coef    SE Coef       T       P
Constant        -0.4455     0.1352   -3.30   0.006
CoughFevResp   0.010281   0.001513    6.80   0.000

S = 0.153983   R-Sq = 78.0%   R-Sq(adj) = 76.3%

Analysis of Variance
Source           DF      SS      MS      F      P
Regression        1  1.0948  1.0948  46.17  0.000
Residual Error   13  0.3082  0.0237
Total            14  1.4030

Unusual Observations
Obs  CoughFevResp  InfluAB%     Fit  SE Fit  Residual  St Resid
 10            93    0.9650  0.5106  0.0414    0.4544     3.06R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 1.68886
```



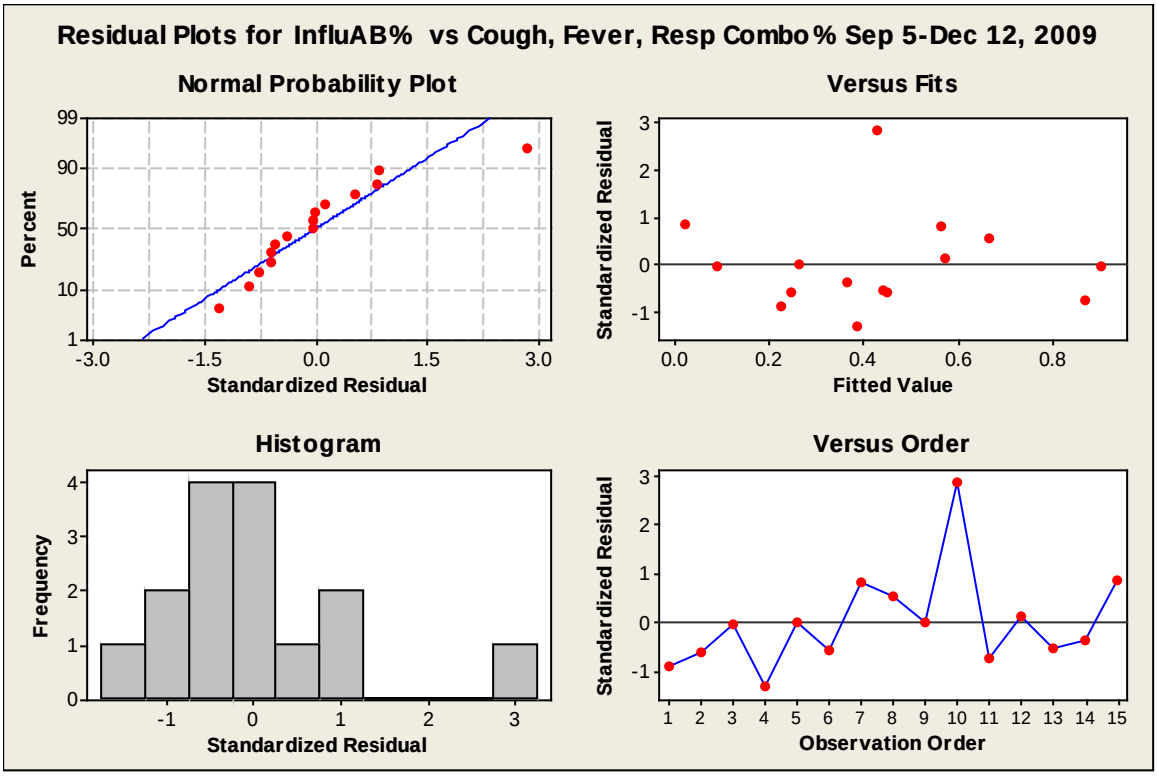
InfluA&B% vs Cough, Fever, Resp - Polynomial

```
InfluAB% = 1.703 - 0.07450 CoughFevResp + 0.001042 CoughFevResp**2
           - 0.000004 CoughFevResp**3

S = 0.158326   R-Sq = 80.3%   R-Sq(adj) = 75.0%
Analysis of Variance
Source      DF       SS        MS      F      P
Regression   3  1.12728  0.375761  14.99  0.000
Error       11  0.27574  0.025067
Total       14  1.40302

Sequential Analysis of Variance
Source     DF       SS      F      P
Linear      1  1.09478  46.17  0.000
Quadratic   1  0.00008   0.00  0.956
Cubic       1  0.03242   1.29  0.280
```



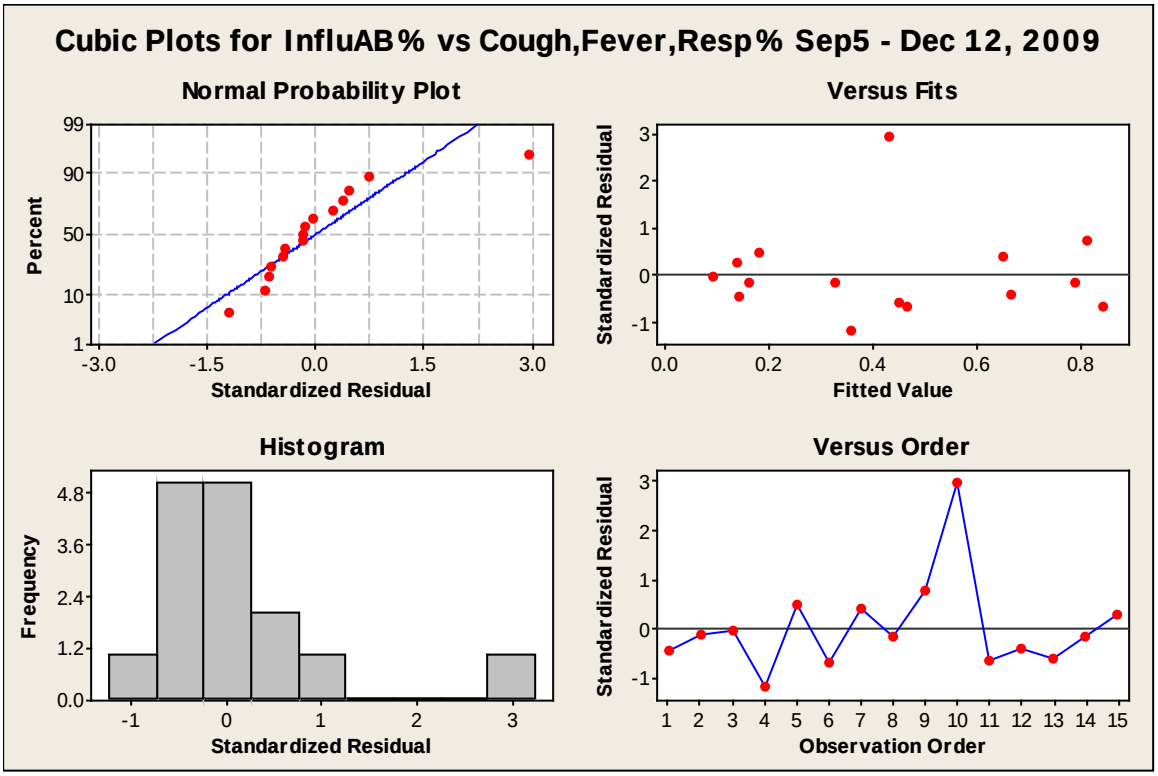
InfluA&B% vs Cough, Fever, Resp% - Linear

```
InfluAB% = - 1.01 + 11.0 CFR%

Predictor      Coef  SE Coef      T      P
Constant    -1.0129   0.2960  -3.42  0.005
CFR%         10.964    2.213   4.95  0.000

S = 0.193305   R-Sq = 65.4%   R-Sq(adj) = 62.7%

Analysis of Variance
Source          DF       SS       MS      F      P
Regression       1  0.91725  0.91725  24.55  0.000
Residual Error  13  0.48577  0.03737
Total           14  1.40302

Unusual Observations
Obs   CFR%  InfluAB%     Fit  SE Fit  Residual  St Resid
 10  0.132    0.9650  0.4293  0.0499    0.5357     2.87R

R denotes an observation with a large standardized residual.
Durbin-Watson statistic = 2.14438
```



InfluA&B% vs Cough, Fever, Resp% - Polynomial

```
InfluAB% = 13.12 - 320.1 CFR% + 2526 CFR%**2 - 6275 CFR%**3

S = 0.192188   R-Sq = 71.0%   R-Sq(adj) = 63.1%
Analysis of Variance
Source      DF       SS        MS     F      P
Regression   3  0.99672  0.332240  8.99  0.003
Error       11  0.40630  0.036936
Total       14  1.40302

Sequential Analysis of Variance
Source     DF        SS      F      P
Linear      1  0.917250  24.55  0.000
Quadratic   1  0.000375   0.01  0.925
Cubic       1  0.079095   2.14  0.171
```

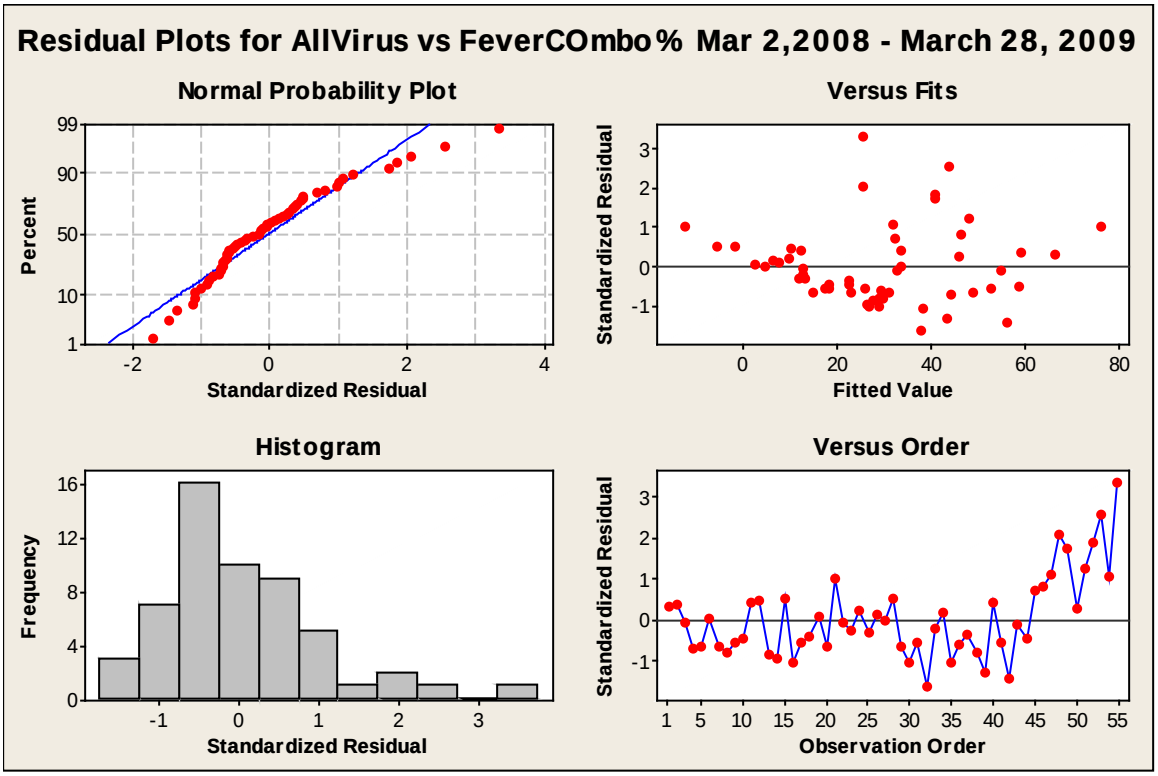

Cubic Plots for InfluAB% vs Cough,Fever,Resp% Sep5 - Dec 12, 2009
Normal Probability Plot
Percent
Standardized Residual
Versus Fits
Standardized Residual
Fitted Value
Histogram
Frequency
Standardized Residual
Versus Order
Standardized Residual
Observation Order

PRIOR TO H1N1 OUTBREAK (MARCH 1, 2008 – MARCH 28, 2009)

AllVirus vs FeverCombo

AllVirus vs FeverCombo%

```
AllVirus = - 35.5 + 1240 FCombo%


Predictor      Coef  SE Coef      T      P
Constant    -35.498    9.646  -3.68  0.001
FCombo%      1240.0    178.3   6.95  0.000


S = 19.7931   R-Sq = 47.7%   R-Sq(adj) = 46.7%


Analysis of Variance

Source          DF     SS     MS      F      P
Regression       1  18944  18944  48.36  0.000
Residual Error  53  20764    392
Total           54  39708


Unusual Observations

Obs  FCombo%  AllVirus     Fit  SE Fit  Residual  St Resid
 21   0.0184      6.00  -12.72    6.56     18.72      1.00 X
 48   0.0493     66.00   25.61    2.71     40.39      2.06R
 53   0.0641     94.00   43.94    3.43     50.06      2.57R
 54   0.0901     95.00   76.22    7.30     18.78      1.02 X
 55   0.0491     91.00   25.36    2.72     65.64      3.35R

R denotes an observation with a large standardized residual.
X denotes an observation whose X value gives it large leverage.


Durbin-Watson statistic = 0.807438
```



AllVirus vs Cough,Fever,Resp

AllVirus Cough,Fever,Resp%

InfluA&B vs FeverCombo

InfluA&B vs FeverCombo%

InfluA&B vs Cough,Fever,Resp

InfluA&B Cough,Fever,Resp%