

Model Comparison - Incorporating Regulatory Uncertainty (Q25 and Q26)

| Without Uncertainty (Q25 and Q26) on Q11c | | | | | | With Uncertainty on Q11c | | | | | |
|---|-------------------|------------------|-------------------|------------------|----------------|---|-------------------|------------|-------------------|------------------|--------|
| <u>Residuals:</u> | | | | | | <u>Residuals:</u> | | | | | |
| | Min | 1Q | Median | 3Q | Max | | Min | 1Q | Median | 3Q | Max |
| | -111.1 | -38.56 | -7.834 | 17.84 | 220.9 | | -100.1 | -40.81 | -8.254 | 23.55 | 217.4 |
| Residual standard error: 58.02 on 58 degrees of freedom | | | | | | Residual standard error: 58.63 on 57 degrees of freedom | | | | | |
| Multiple R-Squared: 0.4679 | | | | | | Multiple R-Squared: 0.466 | | | | | |
| F-stat: 7.285 on 7 and 58 degrees of freedom, p-value is 2.95e-6 | | | | | | F-statistic: 6.217 on 8 and 57 degrees of freedom, p-value is 9.25e-6 | | | | | |
| 15 observations deleted due to missing values | | | | | | 15 observations deleted due to missing values | | | | | |
| <u>Coefficients:</u> | | | | | | <u>Coefficients:</u> | | | | | |
| | Value | Std. Error | t value | Pr(> t) | Signif | | Value | Std. Error | t value | Pr(> t) | Signif |
| (Intercept) | -67.970 | 28.269 | -2.404 | 0.019 | *** | (Intercept) | -42.753 | 29.005 | -1.474 | 0.146 | |
| Q2 | 26.817 | 8.213 | 3.265 | 0.002 | *** | Q2 | 28.626 | 8.954 | 3.197 | 0.002 | *** |
| Q61 | 12.961 | 6.716 | 1.930 | 0.059 | * | Q61 | 11.815 | 6.779 | 1.743 | 0.087 | * |
| Rev02 | 0.002 | 0.001 | 3.207 | 0.002 | *** | Rev02 | 0.001 | 0.001 | 2.711 | 0.009 | *** |
| Allgive02 | 0 | 0 | -4.396 | 0.168 | | ++ Q83 | -3.537 | 11.419 | -0.310 | 0.758 | |
| Q72 | 5.004 | 2.160 | 2.317 | 0.024 | *** | Q72 | 2.692 | 1.328 | 2.028 | 0.047 | *** |
| Q73 | -16.247 | 5.231 | -3.106 | 0.003 | *** | Q73 | -16.836 | 5.293 | -3.181 | 0.002 | *** |
| Q44 | 9.851 | 5.817 | 1.694 | 0.096 | * | Q44 | 9.826 | 5.879 | 1.672 | 0.100 | * |
| | | | | | | Q26 | -7.505 | 5.747 | -1.306 | 0.197 | |
| Without Uncertainty (Q25 and Q26) on Q20c | | | | | | With Uncertainty on Q20c | | | | | |
| <u>Residuals:</u> | | | | | | <u>Residuals:</u> | | | | | |
| | Min | 1Q | Median | 3Q | Max | | Min | 1Q | Median | 3Q | Max |
| | -82.4 | -20.46 | -2.232 | 13.95 | 99.63 | | -55.34 | -20.14 | -7.01 | 15.72 | 106.7 |
| Residual standard error: 32.95 on 57 degrees of freedom | | | | | | Residual standard error: 34.13 on 57 degrees of freedom | | | | | |
| Multiple R-Squared: 0.6235 | | | | | | Multiple R-Squared: 0.5962 | | | | | |
| F-statistic: 11.8 on 8 and 57 degrees of freedom, p-value 9.9e-10 | | | | | | F-statistic: 10.52 on 8 and 57 degrees of freedom, p-value 6.4e-9 | | | | | |
| 15 observations deleted due to missing values | | | | | | 15 observations deleted due to missing values | | | | | |
| <u>Coefficients:</u> | | | | | | <u>Coefficients:</u> | | | | | |
| | Value | Std. Error | t value | Pr(> t) | Signif | | Value | Std. Error | t value | Pr(> t) | Signif |
| (Intercept) | 31.980 | 32.678 | 0.979 | 0.332 | | (Intercept) | 95.340 | 34.695 | 2.748 | 0.008 | *** |
| Q2 | 14.083 | 4.651 | 3.028 | 0.004 | *** | Q2 | 21.717 | 4.842 | 4.486 | 0 | *** |
| Q61 | -6.143 | 3.825 | -1.606 | 0.114 | | Q61 | -5.830 | 4.022 | -1.450 | 0.153 | |
| Rev02 | 0.001 | 0.000 | 1.671 | 0.100 | * | Rev02 | 0.000 | 0.000 | 1.530 | 0.132 | |
| Q62 | -31.025 | 13.006 | -2.386 | 0.020 | *** | Q62 | -40.485 | 13.457 | -3.008 | 0.004 | *** |
| Q72 | 3.399 | 0.758 | 4.487 | 0 | *** | Q72 | 3.526 | 0.773 | 4.563 | 0 | *** |
| Q73 | -7.645 | 2.945 | -2.596 | 0.012 | *** | Q73 | -7.148 | 3.031 | -2.358 | 0.022 | *** |
| Q57 | 6.695 | 3.090 | 2.167 | 0.035 | *** | ++ Q25 | -8.660 | 3.990 | -2.171 | 0.034 | *** |
| Q83 | 15.660 | 6.371 | 2.458 | 0.017 | *** | ++ Q26 | -5.923 | 3.405 | -1.739 | 0.087 | * |