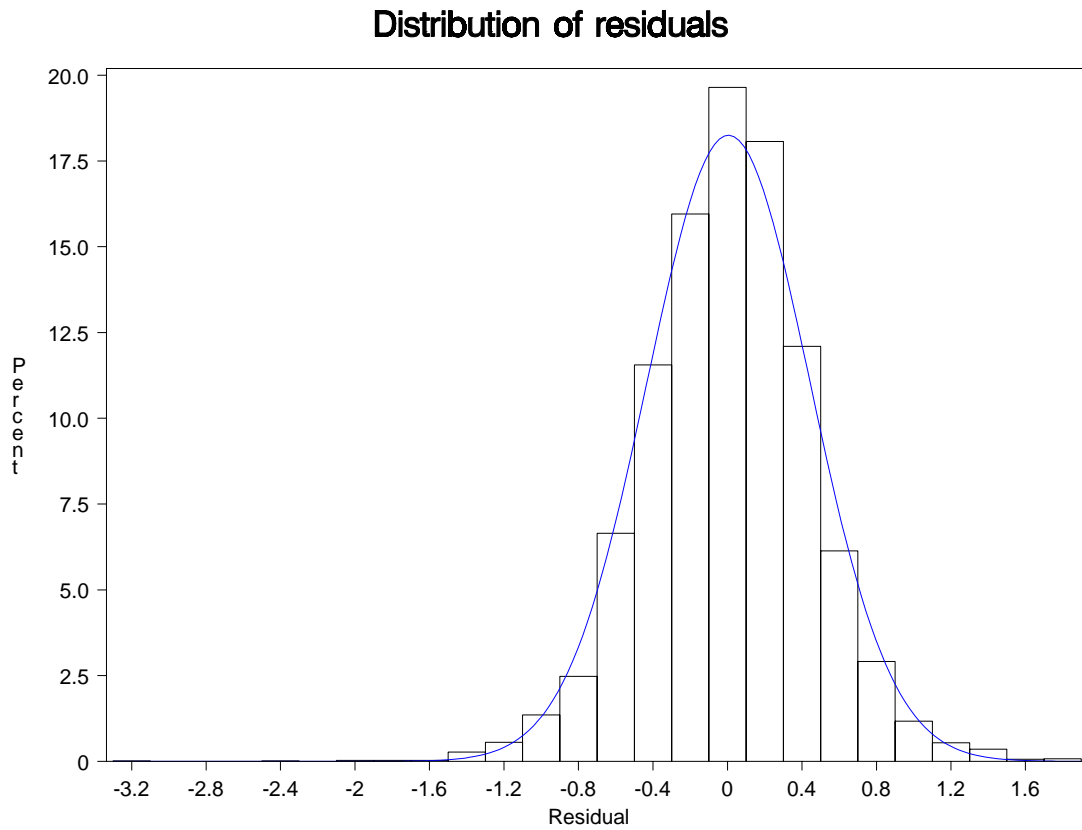


## Residual diagnostics

Histogram of residuals



Quantiles for Normal Distribution

| Percent | Observed | Estimated |
|---------|----------|-----------|
| 1.0     | -1.06248 | -1.01153  |
| 5.0     | -0.69091 | -0.71359  |
| 10.0    | -0.53376 | -0.55477  |
| 25.0    | -0.27404 | -0.28937  |
| 50.0    | 0.00970  | 0.00550   |
| 75.0    | 0.28006  | 0.30038   |
| 90.0    | 0.52527  | 0.56577   |
| 95.0    | 0.70576  | 0.72460   |
| 99.0    | 1.10267  | 1.02254   |

The residuals show perfect agreement with a normal distribution.