
Top Five Statistical Modeling Problems: ~ Nonissue for GenIQ ~

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GenIQ[®]

GenIQ: FAQs

- Q1. What kind of data preparation, EDA are required?
 - **None!** Only insuring there are no impossible or improbable values (e.g., age of 120 years, or a boy named Sue).
- Q2. How does GenIQ handle missing data?
 - ▶ Statistical Complete-case Analysis - reduced sample size
 - ▶ **Genetic Imputation** - full sample size; missingness < 35%
- Q3. How does GenIQ handle MultiCollinearity (MC)?
 - **MC is a nonissue** for GenIQ, as it is a statistical "data" problem, affecting SEs of coefficients. GenIQ has no coefficients.
 - GenIQ can estimate its equation with a k-level categorical variable using all k-levels; cf. statistical models cannot do.
 - ▶ **Error Message**: One of the dummy variables is a perfect linear combination of the remaining k-1 dummy variables.

Want to know more about the GenIQ Model?
Sign-up for a GenIQ Model Webcast: Click [here](#).

GenIQ: FAQs

- Q4. How does GenIQ handle outliers?
 - GenIQ moderates/eliminates outliers, instead of discarding them, by **pulling the outliers into** a straight-line relationship.
- Q5. How does GenIQ handle overfitting?
 - GenIQ is **not more susceptible** to overfitting than any other modeling technique, which seeks a solution by optimization.
 - GenIQ is potentially **less prone to overfitting** as it has a fitness-function smoothing component to moderate overfitting.
 - GP itself **dampens overfitting**, as it has an optimization method Tournament versus fitness only, and fitness & beauty.
 - Optimizing the **decile table innately is not prone** to overfitting.