

Four Million Plus Test Case

10^8 Tabular Structure populated with 50,000 synthetic micro data records with varying sampling weights and eight categorical variables. Each categorical variable has **nine** different categories.

4,179,877 non-zero table cells

10,802,539 equality constraints

Six Million Plus Test Case

6^{10} Tabular Structure populated with 20,000 synthetic micro data records with varying sampling weights and ten categorical variables. Each categorical variable has **five** different categories.

6,529,450 non zero table cells

22,659,622 equality constraints

For Sensitivity Analysis

Six Million Plus Test Case with fewer records (First 5,000 records)

6¹⁰ Tabular Structure populated with ~~20,000~~ 5,000 synthetic micro data records with varying sampling weights and ten categorical variables. Each categorical variable has **five** different categories.

~~6,529,450~~ 2,535,180 non zero table cells

~~22,659,622~~ 9,884,752 equality constraints

Six Million Plus Test Case with fewer records (First 1,000 records)

6¹⁰ Tabular Structure populated with ~~20,000~~ 1,000 synthetic micro data records with varying sampling weights and ten categorical variables. Each categorical variable has **five** different categories.

~~6,529,450~~ 713,128 non zero table cells

~~22,659,622~~ 3,082,940 equality constraints

Six Million Plus Test Case with fewer records (First 500 records)

6¹⁰ Tabular Structure populated with ~~20,000~~ 500 synthetic micro data records with varying sampling weights and ten categorical variables. Each categorical variable has **five** different categories.

~~6,529,450~~ 395,373 non zero table cells

~~22,659,622~~ 1,769,194 equality constraints

Six Million Plus Test Case with fewer records (First 250 records)

6¹⁰ Tabular Structure populated with ~~20,000~~ 250 synthetic micro data records with varying sampling weights and ten categorical variables. Each categorical variable has **five** different categories.

~~6,529,450~~ 214,016 non zero table cells

~~22,659,622~~ 986,069 equality constraints