Testing data combinations is a vital part of the debugging process when building new software, platforms, and integrations. However, creating appropriate data combinations from production data is fraught with challenges. Often, DevOps teams test as much as they can, then hope for the best. But when financial systems or patient health is on the line, such testing is inadequate. All routes must be explored; all combinations tested to unearth potential bugs.

The key to thorough testing is having the right volume, variety, and formats to test every possible combination adequately and thoroughly. GenRocket Synthetic Test Data offers an excellent alternative to limited testing or long nights spent manually creating test data.

Every potential combination can – and should – be tested. Synthetic test data makes this possible.

Synthetic Self-Service Test Data Solution: Data Combinations

GenRocket's synthetic self-service test data solution produces the volume, variety and formats of test data needed for multiple complex data combinations used in testing.

- ✔ Create almost limitless test data combinations

- ✔ Save considerable time and effort producing the appropriate variety and format of test data combinations

- ✔ 100% secure – no personally identifiable information is ever used

We can produce the **data volume**, **data variety**, and **data format** that you need, in a fraction of the time is takes to mask production data or manually create it.

A great choice for industries with strict standards of privacy, compliance, and accuracy.

Financial Services

Healthcare

Banking

Pharmaceuticals

Insurance

Synthetic Data Delivers Quality at Speed

Data quality is essential to the testing process, but so is speed, and using many complex data value combinations within a rigorous testing framework takes time. When a global financial services company needed complex data combinations and permutations, they found themselves in an untenable position. Producing the desired combination of production data and manually created data values was a tedious process that slowed the cycle time for each test to 16 days. To shorten this timeframe, they turned to GenRocket synthetic test data. By using one of GenRocket's powerful data generators the company was able to increase regression testing coverage from 30% to 80% and provide a wider range of code coverage paths for their systems under test. At the same time, they reduced their testing cycle time from 16 days to 2 hours.

Faster, Better Data Combinations

GenRocket's synthetic test data can provide your company with the volume, variety, and formats you need to perform almost limitless combinatorial testing. With adequate data combinations, you can test all possible permutations and debug systems, software, and applications rapidly.

Data combinations: a smart choice to test all possible scenarios without compromising project timelines or budgets.

REQUEST A DEMO