

# Random Sample

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**RANDOM SAMPLE** command randomly extracts values from input variables (*simple random sample, SRS*), with or without replacement.

## How To

- ✓ Run: **DATA-> [DATA SAMPLING] RANDOM SAMPLE...**
- ✓ Select variables. The first random sample is drawn from the first variable, then the second random sample is drawn from the second variable, and so on.
- ✓ Select the **SAMPLING WITH REPLACEMENT** option to allow an observation be chosen more than once and leave the **REPLACEMENT** option unselected to sample without replacement (no observation can be chosen more than once). In sampling without replacement two samples are not independent, but still satisfy exchangeability.

## Results

The table with random samples is produced.

## References

Lohr, S. (2010). Sampling: Design and analysis, 2nd ed. Boston: Brooks/Cole.