**Basic understanding of SAS Proc surveyselect:**

Now and again you might be investigating an enormous data and need to work with only a simple random sample of that data. On various occasions you might need to draw a simple random sample with substitution or replacement from a small portion of data. In those cases, SAS proc surveyselect is one approach to do it.

It is basically used for simple random surveying in SAS. The surveyselect procedure can sample an exact required percentage of the population even without knowing the entire population size. The built-in methods are also very useful.

Some drawbacks of this procedures are that it cannot directly sample from the database and the database has to be sorted before the stratify sampling process.

**Different methods in surveyselect:**

1: Simple random survey (SRS)

2: Probability proportional to size (PPS)

3: Unrestricted random sampling (URS)

4: PPS with Replacement (PPS\_WR)