

Standard use of SAPA is to analyze covariance structures

- 100-200 subjects/day are recruited to `test.personality-project.org`
- web site uses PHP, MySQL to collect data and give feedback to users
- Covariance matrix formed from pairwise covariances.
 - Items are missing at random and thus the resulting covariance structure is unbiased.
- Scales are synthetically formed from covariance matrix
 - Scale reliability and scale intercorrelations can be found from the covariance matrix
 - Standard errors of correlations between scales are function of number of items per scale and vary by total sample size rather than pairwise average sample size.
- All code is written in R and is included in the `psych` package.

