

R Survey Package (R V4.4.1 and Survey Package V4.4-2)  Analysis Examples Replication Chapter-ASDA3	Main Commands/Procedures Used	Key Options
C5	svyhist, svyboxplot, svytotal, svymean, svydesign, subset, svyquantile, svyplot, svyratio, svycontrast, svyglm, csSample (Bayesian analysis with Survey Package)	subset (with svydesign), confint
C6	svyciprop, pie, barplot, svychisq, svycontrast, svyglm, svyloglin, csSample (Bayesian analysis with Survey Package)	svyglm with family=(quasibinomial)
C7	svyglm, regtermtest, lm, plot, margins, svydiags, csSample, rstan, brms (for Bayesian analysis with use of rstan,brms, and Survey package)	use of crossing operator to produce interactions in model
C8	svymean, svyby, svychisq, aic, regtermtest, anova, csSample, rstan, brms (for Bayesian analysis with rstan, brms, and the Survey Package)	link=probit/cloglog (with svyglm and family=quasibinomial)
C9	barplot, svyolr, sv csSample, rstan, brms (for Bayesian analysis with rstan,brms, and the R Survey Package), yhist, svyglm, Vgam for count models	family=quasipoisson with svyglm, see other family options for zero inflated models in csSample package
C10	survfit, svykm, svycoxph, svyglm, plot	link=cloglog with svyglm and family=quasibinomial
C11	svymean, mice*, mitools*, with, micombine, geeglm* *indicates package required for this work	See SAS code for data production, R options include family=gaussian("identity") constr=exchangeable
C12	svymean, svyglm, mice*, mitools*, with, micombine *indicates package required for this work	use of custom predictor matrix and variable creation post imputation
C13	nonProbEst, nonprobsvy, mubp, rpms	Specialized packages for non-probability sample, unadjusted bias for proportions and recursive partitioning for modeling survey data

Note: Reading data from external sources done primarily with Haven package (for SAS) and read.table options in R. See R syntax by chapter for details.