

Stata Reminders

**Probability Distributions:**

```
. mata
: binomial(15,7,.4)
.7868968174
: binomialp(15,7,.4)
.1770836617
: binomialtail(15,7,.4)
.3901868443
: invbinomial(15,7,.4)
.5321333345
: chi2(29,34)
.7607398599
: chi2tail(29,34)
.2392601401
: invchi2tail(29,.05)
42.5569678
: chi2tail(29,42.559678)
.0499715248
: F(29,39,2.4)
.9944164973
: Fden(29,39,2.4)
.0189463572
: Ftail(29,39,2.4)
.0055835027
: invFtail(29,39,.05)
1.758638845
: hypergeometric(100,20,5,1)
.7394534446
: normal(1.96)
.9750021049
: normal(1.645)
.9500150945
: binormal(1.645,1.645,.5)
.9122144514
: invnormal(.05)
-1.644853627
: poisson(4,3)
.4334701204
: ttail(99,1.645)
.0515707246
: end
```

## Permutation Test

```
permute grp r(sum) if grp, reps(10000) nodots nodrop nowarn: summarize y
```