CDDA Report

Variable Distribution

```
## ------------------------------------------------------
## OLS Summary: Target Model
##
##             Estimate Std. Error  t value Pr(>|t|)
## (Intercept)  -1.6682     0.0871 -19.1459   0.0000
## ac2           0.4572     0.0248  18.4266   0.0000
## female        0.0062     0.1450   0.0427   0.9659
## ac2:female    0.0460     0.0388   1.1858   0.2359
## ------------------------------------------------------
##
## OLS Summary: Alternative Model
##
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept)   3.3854     0.0403 83.9660   0.0000
## pb2           0.7213     0.0380 19.0044   0.0000
## female        0.1795     0.0591  3.0390   0.0024
## pb2:female   -0.0358     0.0569 -0.6281   0.5301
```

Independenve Properties

```
params$runcdda_ind
```

```
##
## DIRECTION DEPENDENCE ANALYSIS: Independence Properties
##
## Target Model: ac2 -> pb2
##
## Omnibus Independence Tests:
## HSIC = 1.5362, p-value = 0
## dCor = 0.1131, p-value = 0.005
##
## Non-linear Correlation Tests: 2L Transformation
##                           estimate   t-value    df         Pr(>|t|)
## Cor[2L(r_pb2), ac2]        -0.0677    -2.3823  1231.0000     0.0174
## Cor[r_pb2, 2L(ac2)]         0.0513     1.8024  1231.0000     0.0717
## Cor[2L(r_pb2), 2L(ac2)]     0.0009     0.0300  1231.0000     0.9761
##
## Alternative Model: pb2 -> ac2
##
## Omnibus Independence Tests:
```

```
## HSIC = 15.998, p-value = 0
## dCor = 0.2293, p-value = 0.005
##
## Non-linear Correlation Tests: 2L Transformation
##                            estimate   t-value    df         Pr(>|t|)
## Cor[2L(r_ac2), pb2]         -0.1090   -3.8463  1231.0000     0.0001
## Cor[r_ac2, 2L(pb2)]          0.0589    2.0705  1231.0000     0.0386
## Cor[2L(r_ac2), 2L(pb2)]      0.1517    5.3849  1231.0000     0.0000
```