Parameters are Counts

```
##
##  Pearson's Chi-squared test
##
## data:  parameters
## X-squared = 17.282, df = 3, p-value = 0.0006185
```

Table 1: Dirichlet Parameters: Counts

	Oldest	In-between	Youngest	Only Child	Total
Most Delinquent	127	123	93	17	360
Least Delinquent	345	209	158	65	777
Difference (Most - Least)	-218	-86	-65	-48	-417

```
## [[1]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.192"            "-0.192"            "-0.192"
## 95% CI     "( -0.227, -0.156 )" "( -0.227, -0.156 )" "( -0.227, -0.156 )"
## P(diff>0)  "0"                 "0"                 "0"
##
## [[2]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.076"            "-0.076"            "-0.076"
## 95% CI     "( -0.107, -0.043 )" "( -0.107, -0.045 )" "( -0.107, -0.045 )"
## P(diff>0)  "0"                 "0"                 "0"
##
## [[3]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.057"            "-0.057"            "-0.057"
## 95% CI     "( -0.084, -0.030 )" "( -0.084, -0.030 )" "( -0.084, -0.030 )"
## P(diff>0)  "0"                 "1e-05"             "1e-05"
##
## [[4]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.042"            "-0.042"            "-0.042"
## 95% CI     "( -0.058, -0.027 )" "( -0.058, -0.027 )" "( -0.058, -0.027 )"
## P(diff>0)  "0"                 "0"                 "0"
##
## [[5]]
##                  [,1]    [,2]    [,3]
## Iterations       "10000" "1e+05" "1e+06"
## Combined p-value "1.000" "1.000" "1.000"
```

Parameters are Row Proportions

Table 2: Dirichlet Parameters: Row Proportions

	Oldest	In-between	Youngest	Only Child	Total
Most Delinquent	0.353	0.342	0.258	0.047	1
Least Delinquent	0.444	0.269	0.203	0.084	1
Difference (Most - Least)	-0.091	0.073	0.055	-0.036	0

```
## [[1]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.048"            "-0.046"            "-0.046"
## 95% CI     "( -0.798, 0.717 )" "( -0.800, 0.732 )" "( -0.797, 0.732 )"
## P(diff>0)  "0.4313"            "0.43721"           "0.436071"
##
## [[2]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "0.043"             "0.038"             "0.036"
## 95% CI     "( -0.666, 0.749 )" "( -0.677, 0.738 )" "( -0.674, 0.742 )"
## P(diff>0)  "0.5723"            "0.56754"           "0.564099"
##
## [[3]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "0.026"             "0.026"             "0.028"
## 95% CI     "( -0.642, 0.687 )" "( -0.614, 0.677 )" "( -0.614, 0.681 )"
## P(diff>0)  "0.558"             "0.56111"           "0.563085"
##
## [[4]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.019"            "-0.018"            "-0.018"
## 95% CI     "( -0.444, 0.291 )" "( -0.430, 0.288 )" "( -0.427, 0.283 )"
## P(diff>0)  "0.3603"            "0.36121"           "0.359778"
##
## [[5]]
##                   [,1]    [,2]    [,3]
## Iterations       "10000" "1e+05" "1e+06"
## Combined p-value "0.353" "0.351" "0.353"
```

Parameters are Normalized (Row Proportions/2 - so some of all prop = 1)

Table 3: Dirichlet Parameters: Normalized

	Oldest	In-between	Youngest	Only Child	Total
Most Delinquent	0.176	0.171	0.129	0.024	0.5
Least Delinquent	0.222	0.134	0.102	0.042	0.5
Difference (Most - Least)	-0.046	0.036	0.027	-0.018	0.0

```
## [[1]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.048"            "-0.045"            "-0.046"
## 95% CI     "( -0.949, 0.910 )" "( -0.946, 0.908 )" "( -0.945, 0.910 )"
## P(diff>0)  "0.4362"            "0.43917"           "0.439901"
##
## [[2]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "0.035"             "0.036"             "0.036"
## 95% CI     "( -0.859, 0.915 )" "( -0.862, 0.911 )" "( -0.865, 0.909 )"
## P(diff>0)  "0.5593"            "0.56017"           "0.560198"
##
## [[3]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "0.026"             "0.027"             "0.027"
## 95% CI     "( -0.817, 0.860 )" "( -0.814, 0.867 )" "( -0.810, 0.862 )"
## P(diff>0)  "0.5572"            "0.56107"           "0.559905"
##
## [[4]]
##            [,1]                [,2]                [,3]
## Iterations "10000"             "100000"            "1000000"
## Mean       "-0.017"            "-0.019"            "-0.018"
## 95% CI     "( -0.540, 0.331 )" "( -0.563, 0.328 )" "( -0.561, 0.333 )"
## P(diff>0)  "0.3597"            "0.36159"           "0.359884"
##
## [[5]]
##                   [,1]    [,2]    [,3]
## Iterations       "10000" "1e+05" "1e+06"
## Combined p-value "0.357" "0.352" "0.353"
```