Believers vs NonBelievers

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Weighting the data

```
##         1         2
## 0.3785714 0.6214286
```

```
##         1         2         3
## 0.3357143 0.4051020 0.2591837
```

```
##         1         2
## 0.2070031 0.7929969
```

```
##           1           2           3           4           5           6
## 0.009193054 0.132788560 0.301327886 0.105209397 0.304392237 0.109295199
##           7           8
## 0.012257406 0.025536261
```

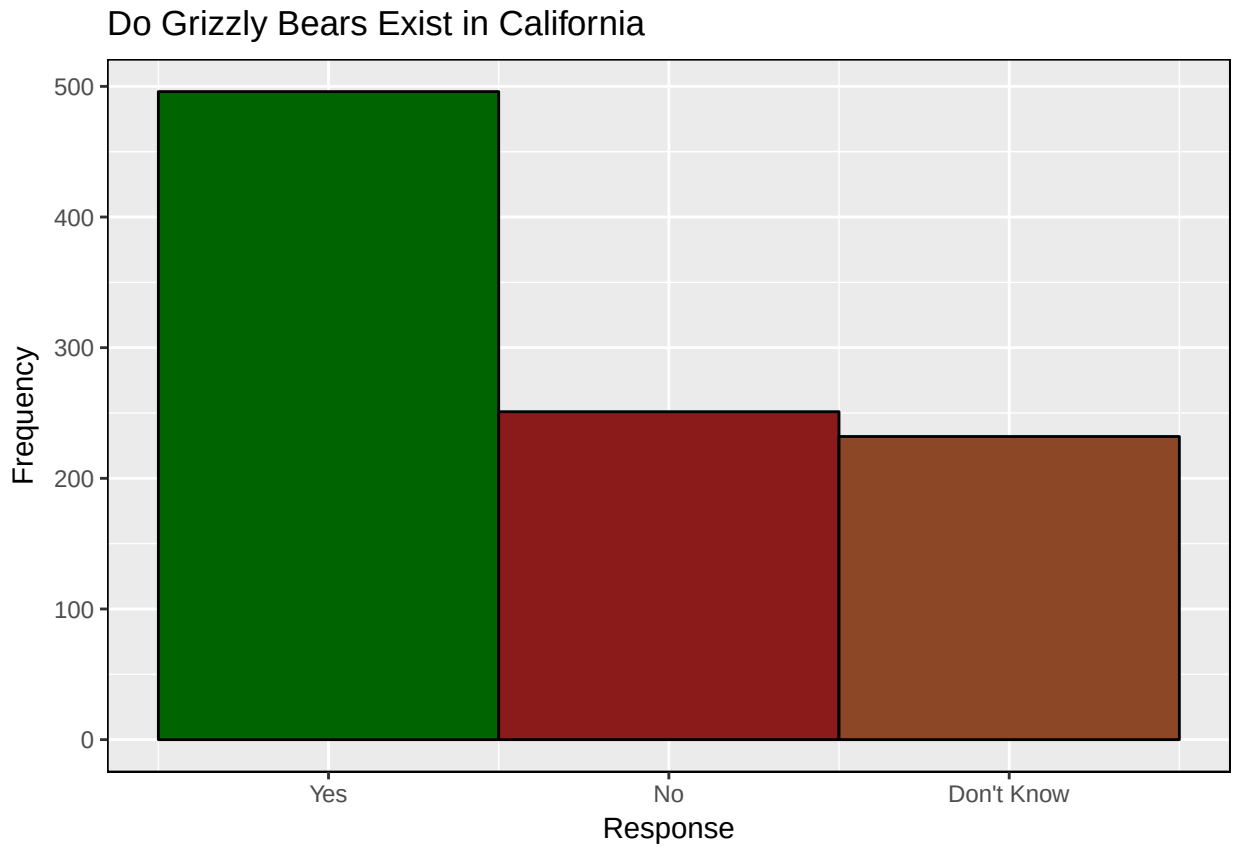
```
##      TRUE     FALSE
## 0.4514811 0.5485189
```

```
##      TRUE     FALSE
## 0.2591837 0.7408163
```

```
##    gender     rural    latino   college
## 0.2428571 1.2216327 0.3659938 0.4570378
```

```
## [1] "Raking converged in 18 iterations"
```

Believers vs NonBelievers



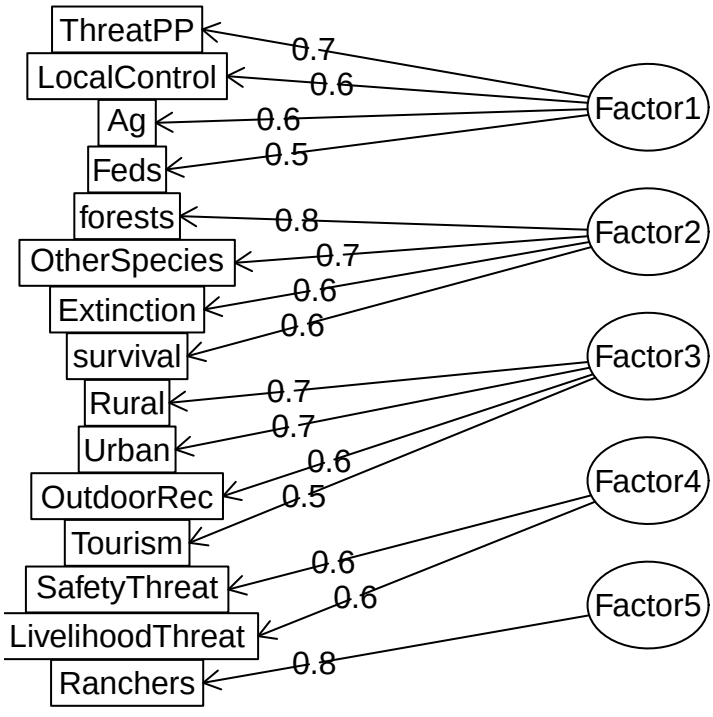
Factor analysis

Believers

```
##
## Call:
## factanal(x = believe_factor, factors = 5, scores = "Bartlett")
##
## Uniquenesses:
##         survival          forests     SafetyThreat LivelihoodThreat
##            0.573            0.322            0.272            0.334
##          Tourism             Feds         ThreatPP     OtherSpecies
##            0.535            0.704            0.380            0.410
##       Extinction     LocalControl         Ranchers       OutdoorRec
##            0.588            0.597            0.005            0.423
##               Ag            Urban            Rural
##            0.500            0.365            0.325
##
## Loadings:
##                 Factor1 Factor2 Factor3 Factor4 Factor5
## survival                  0.553   0.229  -0.244
## forests                   0.758   0.305
```

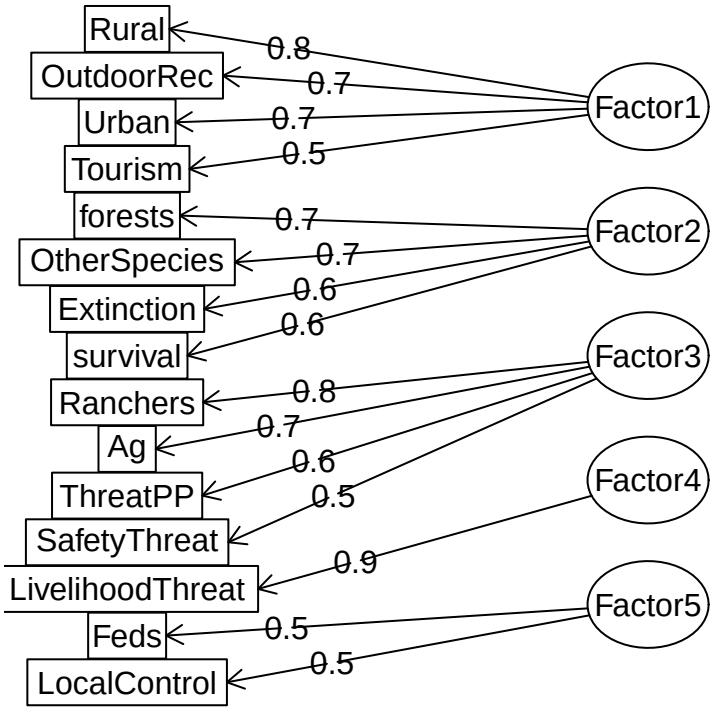
```
## SafetyThreat      0.544  -0.132           0.630   0.134
## LivelihoodThreat  0.510  -0.121   0.233   0.577
## Tourism                   0.465   0.490
## Feds              0.508   0.160
## ThreatPP          0.745  -0.140           0.152   0.146
## OtherSpecies              0.662   0.388
## Extinction                0.602   0.177  -0.109
## LocalControl      0.589           0.153   0.119   0.113
## Ranchers          0.558  -0.166  -0.144   0.124   0.787
## OutdoorRec                0.411   0.636
## Ag                0.573  -0.168           0.207   0.315
## Urban             0.172   0.304   0.714
## Rural             0.145   0.315   0.742
##
##                Factor1 Factor2 Factor3 Factor4 Factor5
## SS loadings      2.419   2.398   2.142   0.907   0.799
## Proportion Var   0.161   0.160   0.143   0.060   0.053
## Cumulative Var   0.161   0.321   0.464   0.524   0.578
##
## Test of the hypothesis that 5 factors are sufficient.
## The chi square statistic is 68.33 on 40 degrees of freedom.
## The p-value is 0.00347
```

Factor Analysis



NonBelievers

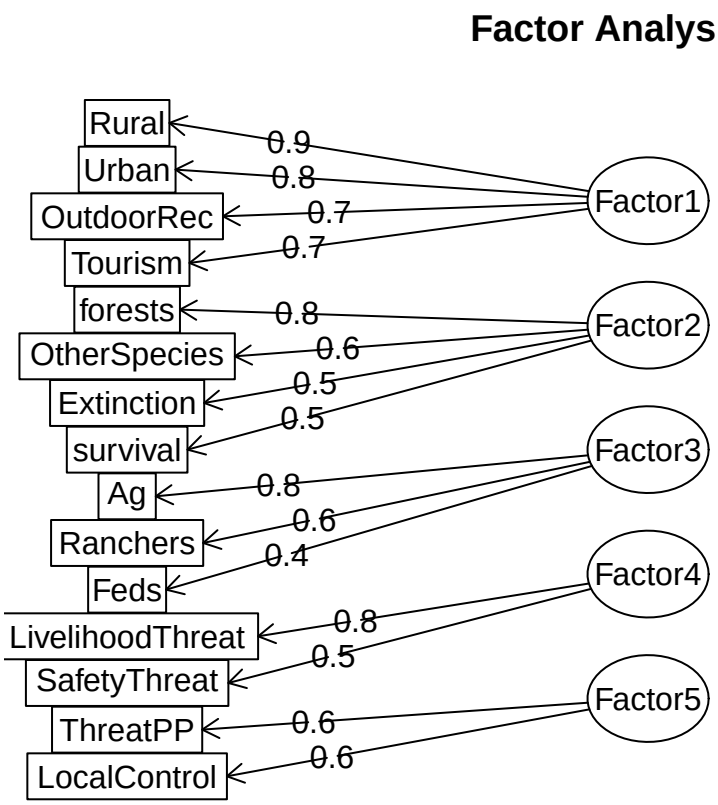
```
##
## Call:
## factanal(x = nonbelieve_factor, factors = 5, scores = "Bartlett")
##
## Uniquenesses:
##         survival          forests     SafetyThreat LivelihoodThreat
##            0.587            0.268            0.428            0.005
##          Tourism             Feds         ThreatPP     OtherSpecies
##            0.455            0.739            0.329            0.302
##       Extinction     LocalControl         Ranchers       OutdoorRec
##            0.507            0.585            0.280            0.331
##               Ag            Urban            Rural
##            0.372            0.484            0.193
##
## Loadings:
##                  Factor1 Factor2 Factor3 Factor4 Factor5
## survival          0.158   0.577  -0.180           0.115
## forests           0.477   0.694  -0.114
## SafetyThreat     -0.151  -0.186   0.490   0.465   0.243
## LivelihoodThreat         -0.147   0.246   0.944   0.136
## Tourism           0.534   0.482  -0.133
## Feds                              0.111           0.484
## ThreatPP         -0.141  -0.220   0.644           0.428
## OtherSpecies      0.406   0.683  -0.175          -0.186
## Extinction        0.219   0.636          -0.188
## LocalControl      0.121           0.405           0.470
## Ranchers         -0.321  -0.146   0.760   0.118
## OutdoorRec        0.661   0.384  -0.243          -0.141
## Ag                       -0.194   0.730   0.191   0.133
## Urban             0.661   0.268
## Rural             0.833   0.242  -0.186  -0.107
##
##                Factor1 Factor2 Factor3 Factor4 Factor5
## SS loadings      2.493   2.369   2.195   1.244   0.835
## Proportion Var   0.166   0.158   0.146   0.083   0.056
## Cumulative Var   0.166   0.324   0.470   0.553   0.609
##
## Test of the hypothesis that 5 factors are sufficient.
## The chi square statistic is 38.22 on 40 degrees of freedom.
## The p-value is 0.551
```



Don't Know

```
##
## Call:
## factanal(x = dontknow_factor, factors = 5, scores = "Bartlett")
##
## Uniquenesses:
##         survival          forests     SafetyThreat LivelihoodThreat
##            0.629            0.143            0.455            0.212
##          Tourism             Feds         ThreatPP     OtherSpecies
##            0.445            0.776            0.330            0.338
##       Extinction     LocalControl         Ranchers       OutdoorRec
##            0.529            0.599            0.339            0.400
##               Ag            Urban            Rural
##            0.313            0.367            0.172
##
## Loadings:
##                  Factor1 Factor2 Factor3 Factor4 Factor5
## survival          0.266   0.471          -0.173  -0.221
## forests           0.447   0.792  -0.161
## SafetyThreat     -0.255  -0.189   0.377   0.511   0.203
## LivelihoodThreat  0.147           0.166   0.845   0.139
## Tourism           0.662   0.326
## Feds                              0.424           0.169
```

```
## ThreatPP         -0.176  -0.197   0.436   0.215   0.603
## OtherSpecies      0.514   0.599  -0.138          -0.135
## Extinction        0.313   0.501          -0.337
## LocalControl                      0.221           0.584
## Ranchers         -0.334  -0.231   0.592   0.221   0.311
## OutdoorRec        0.680   0.357
## Ag               -0.162  -0.219   0.759   0.160   0.107
## Urban             0.757   0.223
## Rural             0.882   0.171                  -0.119
##
##                Factor1 Factor2 Factor3 Factor4 Factor5
## SS loadings      3.151   1.960   1.582   1.266   0.993
## Proportion Var   0.210   0.131   0.105   0.084   0.066
## Cumulative Var   0.210   0.341   0.446   0.531   0.597
##
## Test of the hypothesis that 5 factors are sufficient.
## The chi square statistic is 43.41 on 40 degrees of freedom.
## The p-value is 0.328
```



Low Knowledge

```
##
## Call:
## factanal(x = lowknowledge_factor, factors = 5, scores = "Bartlett")
```

```
##
## Uniquenesses:
##         survival          forests     SafetyThreat LivelihoodThreat
##            0.663            0.227            0.455            0.055
##          Tourism             Feds         ThreatPP     OtherSpecies
##            0.445            0.854            0.334            0.321
##       Extinction     LocalControl         Ranchers       OutdoorRec
##            0.521            0.629            0.282            0.378
##               Ag            Urban            Rural
##            0.413            0.458            0.126
##
## Loadings:
##                  Factor1 Factor2 Factor3 Factor4 Factor5
## survival          0.169   0.529          -0.106
## forests           0.412   0.766  -0.113
## SafetyThreat     -0.190  -0.227   0.460   0.461   0.181
## LivelihoodThreat         -0.127   0.259   0.924
## Tourism           0.553   0.467                  -0.167
## Feds                              0.377
## ThreatPP         -0.168  -0.233   0.740   0.109   0.155
## OtherSpecies      0.419   0.678  -0.209
## Extinction        0.223   0.606          -0.234
## LocalControl                      0.600
## Ranchers         -0.327  -0.221   0.547   0.152   0.490
## OutdoorRec        0.636   0.432  -0.104          -0.118
## Ag               -0.104  -0.228   0.535   0.176   0.455
## Urban             0.656   0.317
## Rural             0.886   0.252  -0.141
##
##                Factor1 Factor2 Factor3 Factor4 Factor5
## SS loadings      2.545   2.488   2.013   1.223   0.570
## Proportion Var   0.170   0.166   0.134   0.082   0.038
## Cumulative Var   0.170   0.336   0.470   0.551   0.589
##
## Test of the hypothesis that 5 factors are sufficient.
## The chi square statistic is 61.88 on 40 degrees of freedom.
## The p-value is 0.0148
```

Factor Analysis