

Nuclear Energy: Kahan scale and Economic Political value scale

Contents

Abstract	2
Nuclear is seen as riskier than others -this paper explore this risk perception	3
Mean Perceived Risk and Mean Perceived Benefit for all energy technologies.	3
H2: Gender and Caste will have significant impact like Gender and Race in the US studies of risk.	5
two linear regression models	6
H3: Regional differences will have a strong impact	7
Linear regression where Mean value is the intercept	7
Regional Differences Graph	8
kahan scale CFA, EFA and Alpha	9
Na counting	10
Kahan scatter plot from the CFA scores	13
alternative Kahan scores	14
EDIT : Scatter plot of Kahan scale scores around the median scores on Individualism and Hierarchy scales	14
Confirmatory Factor Analysis(CFA): Kahan Scale	14
Factor Analysis: New Eco-political Scale	16
all lms after FA	20
Lms with alt Kahan scores	22
graphs for lm attempts	77
H4 : Economic and Political Values will be important in explaining perceived risk from Nuclear Energy	82
Logistic Regression	84
Appendix: Characteristics of the Sample	85

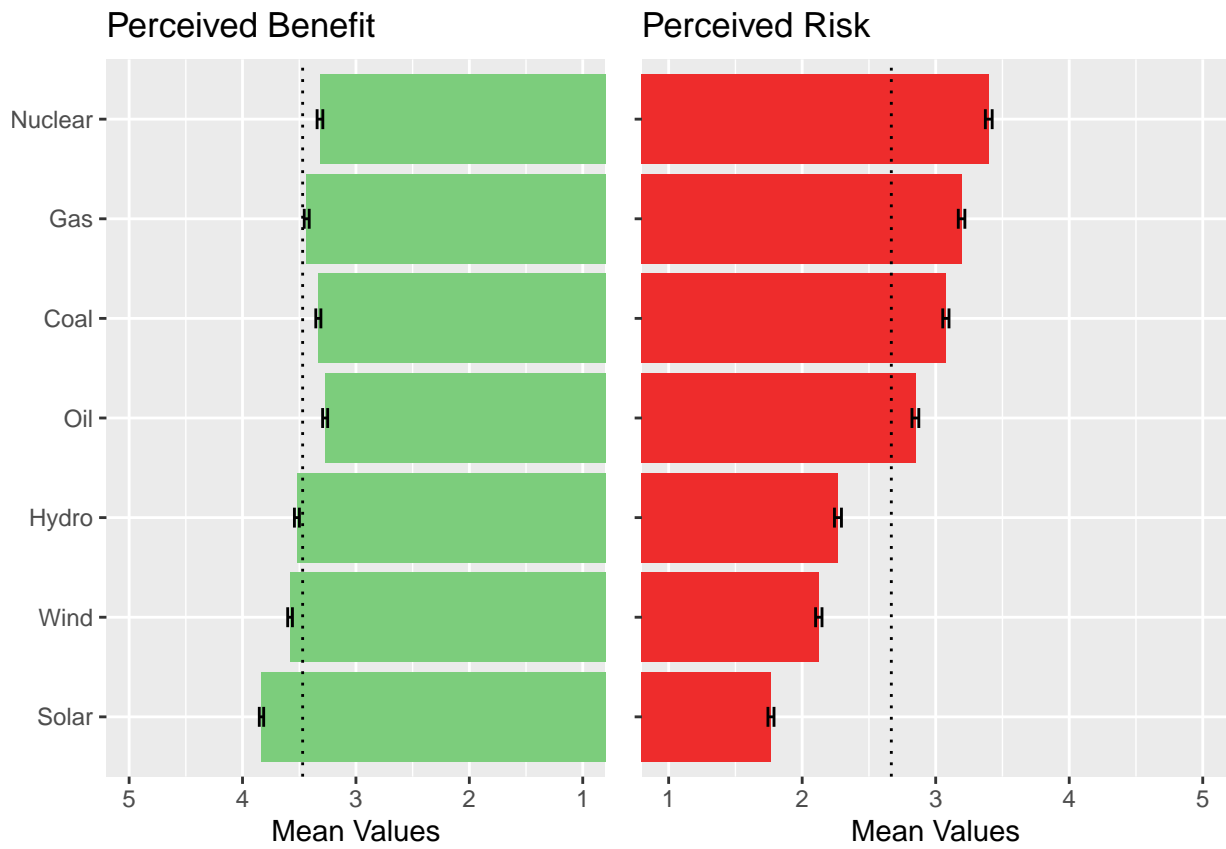
Abstract

Indian state regards nuclear energy as an important solution to rising energy needs and climate change issues. However, throughout India, nuclear power initiatives have faced opposition from people. Using survey data this study reveals that, similar to global trends, nuclear energy is perceived as highly risk in India as well. It is also perceived as the riskiest technology among all large-scale energy sources (like coal, solar, wind, oil gas, and hydro). Using risk perception theories and frameworks, this paper delves into the underlying factors influencing India's public perception of nuclear energy. While consistent demographic patterns, termed the "white male effect," influence risk perceptions in the US, demographic factors such as gender and caste have minimal influence on India's nuclear energy risk perceptions. Cultural paradigms like hierarchy versus egalitarianism and individualism versus communitarianism also show negligible impact. However, regional differences among states and economic and political values have significant impact on risk perceptions related to nuclear energy in the Indian context.

Nuclear is seen as riskier than others -this paper explore this risk perception

Mean Perceived Risk and Mean Perceived Benefit for all energy technologies.

##	Risky_Hydro	Risky_Solar	Risky_Wind	Risky_Nuclear	Risky_Coal
## Risky_Hydro	1.00000000	0.371468342	0.62273827	0.21917757	0.24754261
## Risky_Solar	0.37146834	1.000000000	0.52334549	-0.03739870	0.09826983
## Risky_Wind	0.62273827	0.523345494	1.00000000	0.10765057	0.23189555
## Risky_Nuclear	0.21917757	-0.037398704	0.10765057	1.00000000	0.31532012
## Risky_Coal	0.24754261	0.098269830	0.23189555	0.31532012	1.00000000
## Risky_Gas	0.33130183	0.064861795	0.22650038	0.37582694	0.45322323
## Risky_Oil	0.35389324	0.207588699	0.32153897	0.30402738	0.45450142
## Ben_Hydro	0.16641730	-0.271343710	-0.01717708	0.24852057	0.27072986
## Ben_Solar	0.15889085	-0.193321653	0.04530358	0.20225424	0.24538927
## Ben_Wind	0.05894831	-0.163446713	-0.01531807	0.19992592	0.28919435
## Ben_Nuclear	0.36953182	0.117098118	0.26807895	0.09168013	0.32364751
## Ben_Coal	0.24509355	0.059837799	0.20021045	0.08695121	0.28218168
## Ben_Gas	0.24849235	-0.005404625	0.14176612	0.12578275	0.29494969
## Ben_Oil	0.11687390	0.026265010	0.06073120	0.05407768	0.29348176
##	Risky_Gas	Risky_Oil	Ben_Hydro	Ben_Solar	Ben_Wind
## Risky_Hydro	0.3313018	0.3538932	0.16641730	0.15889085	0.05894831
## Risky_Solar	0.0648618	0.2075887	-0.27134371	-0.19332165	-0.16344671
## Risky_Wind	0.2265004	0.3215390	-0.01717708	0.04530358	-0.01531807
## Risky_Nuclear	0.3758269	0.3040274	0.24852057	0.20225424	0.19992592
## Risky_Coal	0.4532232	0.4545014	0.27072986	0.24538927	0.28919435
## Risky_Gas	1.0000000	0.5249448	0.28095281	0.25906353	0.24279483
## Risky_Oil	0.5249448	1.0000000	0.17006275	0.19276727	0.18033585
## Ben_Hydro	0.2809528	0.1700628	1.00000000	0.59414453	0.56889850
## Ben_Solar	0.2590635	0.1927673	0.59414453	1.00000000	0.54946553
## Ben_Wind	0.2427948	0.1803358	0.56889850	0.54946553	1.00000000
## Ben_Nuclear	0.3111439	0.2870357	0.35565376	0.36659278	0.33805611
## Ben_Coal	0.3252531	0.3219312	0.32926585	0.28953359	0.35523486
## Ben_Gas	0.3616202	0.3297240	0.42021333	0.37978993	0.33439764
## Ben_Oil	0.2635186	0.2794384	0.32902048	0.25330583	0.35220580
##	Ben_Nuclear	Ben_Coal	Ben_Gas	Ben_Oil	
## Risky_Hydro	0.36953182	0.24509355	0.248492347	0.11687390	
## Risky_Solar	0.11709812	0.05983780	-0.005404625	0.02626501	
## Risky_Wind	0.26807895	0.20021045	0.141766120	0.06073120	
## Risky_Nuclear	0.09168013	0.08695121	0.125782755	0.05407768	
## Risky_Coal	0.32364751	0.28218168	0.294949694	0.29348176	
## Risky_Gas	0.31114387	0.32525310	0.361620203	0.26351860	
## Risky_Oil	0.28703567	0.32193123	0.329724048	0.27943840	
## Ben_Hydro	0.35565376	0.32926585	0.420213334	0.32902048	
## Ben_Solar	0.36659278	0.28953359	0.379789932	0.25330583	
## Ben_Wind	0.33805611	0.35523486	0.334397643	0.35220580	
## Ben_Nuclear	1.00000000	0.49471911	0.566904473	0.43769404	
## Ben_Coal	0.49471911	1.00000000	0.512842347	0.59157977	
## Ben_Gas	0.56690447	0.51284235	1.000000000	0.52902059	
## Ben_Oil	0.43769404	0.59157977	0.529020593	1.00000000	



H2: Gender and Caste will have significant impact like Gender and Race in the US studies of risk.

```
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##     age, data = alldemos)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.6471 -1.1853  0.2939  0.7328  1.8294
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   3.35999    0.10432  32.209  <2e-16 ***
## Uppercaste     0.14139    0.06439   2.196  0.0282 *
## Male           0.13101    0.06409   2.044  0.0411 *
## Hindu          -0.12223    0.07561  -1.617  0.1062
## UrbanUrban    -0.08190    0.06283  -1.304  0.1926
## age            0.01475    0.02711   0.544  0.5866
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.184 on 1548 degrees of freedom
## (607 observations deleted due to missingness)
## Multiple R-squared:  0.01055,    Adjusted R-squared:  0.007356
## F-statistic: 3.302 on 5 and 1548 DF,  p-value: 0.005702
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##     age + State, data = alldemos)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.2394 -0.8825 -0.1205  0.7704  2.2064
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   3.20856    0.09587  33.466  < 2e-16 ***
## Uppercaste    -0.11678    0.05915  -1.974  0.04854 *
## Male           0.02336    0.05937   0.394  0.69399
## Hindu          -0.03235    0.06875  -0.471  0.63798
## UrbanUrban     0.08122    0.06376   1.274  0.20293
## age           -0.02786    0.02519  -1.106  0.26881
## StateRajasthan  0.24549    0.09271   2.648  0.00818 **
## StateTamil Nadu -0.23347    0.08677  -2.691  0.00721 **
## StateUttar Pradesh -0.15431    0.11865  -1.301  0.19361
## StateWest Bengal  1.31933    0.08104  16.280  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.056 on 1544 degrees of freedom
## (607 observations deleted due to missingness)
```

Multiple R-squared: 0.2147, Adjusted R-squared: 0.2102
F-statistic: 46.91 on 9 and 1544 DF, p-value: < 2.2e-16

two linear regression models

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Tue, Jan 30, 2024 - 11:20:57

Table 1: Results from 2 linear regression models		
	<i>Dependent variable:</i>	
	Risky_Nuclear	
	(1)	(2)
Uppercaste	0.141** (0.064)	-0.117** (0.059)
Male	0.131** (0.064)	0.023 (0.059)
Hindu	-0.122 (0.076)	-0.032 (0.069)
UrbanUrban	-0.082 (0.063)	0.081 (0.064)
age	0.015 (0.027)	-0.028 (0.025)
StateRajasthan		0.245*** (0.093)
StateTamil Nadu		-0.233*** (0.087)
StateUttar Pradesh		-0.154 (0.119)
StateWest Bengal		1.319*** (0.081)
Constant	3.360*** (0.104)	3.209*** (0.096)
Observations	1,554	1,554
R ²	0.011	0.215
Adjusted R ²	0.007	0.210
Residual Std. Error	1.184 (df = 1548)	1.056 (df = 1544)
F Statistic	3.302*** (df = 5; 1548)	46.913*** (df = 9; 1544)
<i>Note:</i>		
*p<0.1; **p<0.05; ***p<0.01		

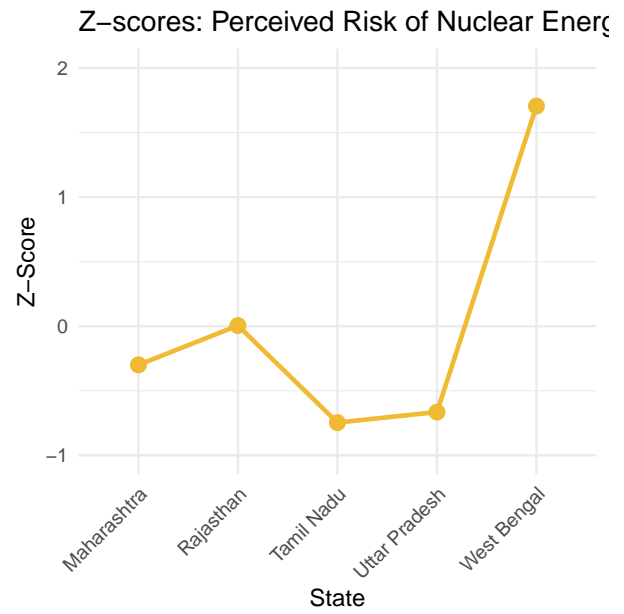
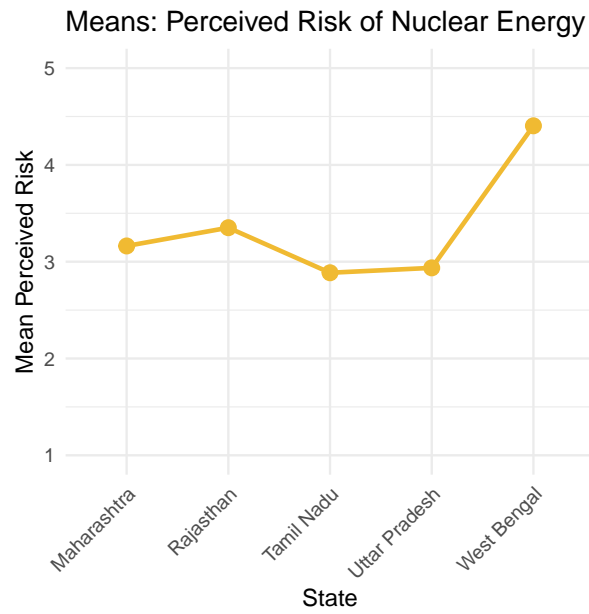
H3: Regional differences will have a strong impact

Linear regression where Mean value is the intercept

Same model with mean value as intercept.

Regional Differences Graph

Following is a graph of z scores calculated from mean perceived risk from nuclear energy by state.



kahan scale CFA, EFA and Alpha

```
## Factor Analysis using method = minres
## Call: fa(r = Kahan_scale, nfactors = 2, rotate = "varimax")
## Standardized loadings (pattern matrix) based upon correlation matrix
##
```

	item	MR1	MR2	h2	u2	com
##	K_SLIMCHOI	5	0.64	-0.02	0.404	0.60
##	K_SHARM	3	0.59	0.00	0.342	0.66
##	K_EWEALTH	11	0.55	-0.07	0.310	0.69
##	K_SPROTECT	6	0.54	-0.04	0.288	0.71
##	K_ERADEQ1	10	0.52	-0.14	0.292	0.71
##	K_ERADEQ2	12	0.48	-0.03	0.235	0.76
##	K_HEQUAL	7	-0.44	0.09	0.203	0.80
##	K_IINTRFER	1	-0.26	0.08	0.074	0.93
##	K_HREVDIS1	8	-0.24	0.71	0.558	0.44
##	K_EDISCRIM	9	0.42	-0.63	0.567	0.43
##	K_IPRIVACY	2	-0.04	0.29	0.088	0.91
##	K_IPROTECT	4	0.06	0.12	0.017	0.98

```
##
##
```

	MR1	MR2
## SS loadings	2.34	1.04
## Proportion Var	0.20	0.09
## Cumulative Var	0.20	0.28
## Proportion Explained	0.69	0.31
## Cumulative Proportion	0.69	1.00

```
##
## Mean item complexity = 1.2
## Test of the hypothesis that 2 factors are sufficient.
##
## df null model = 66 with the objective function = 2.29 with Chi Square = 2502.94
## df of the model are 43 and the objective function was 0.52
##
## The root mean square of the residuals (RMSR) is 0.07
## The df corrected root mean square of the residuals is 0.09
##
## The harmonic n.obs is 989 with the empirical chi square 619.66 with prob < 3.1e-103
## The total n.obs was 1099 with Likelihood Chi Square = 569.08 with prob < 5.3e-93
##
## Tucker Lewis Index of factoring reliability = 0.668
## RMSEA index = 0.106 and the 90 % confidence intervals are 0.098 0.113
## BIC = 267.99
## Fit based upon off diagonal values = 0.91
## Measures of factor score adequacy
##
```

	MR1	MR2
## Correlation of (regression) scores with factors	0.87	0.80
## Multiple R square of scores with factors	0.75	0.65
## Minimum correlation of possible factor scores	0.51	0.30

Na counting

```
## 'data.frame': 1099 obs. of 57 variables:
## $ Risky_Hydro : num 3 1 2 2 4 2 2 NA 3 5 ...
## $ Risky_Solar : num 1 1 1 2 1 1 1 2 3 1 ...
## $ Risky_Wind : num 1 2 2 2 1 1 1 1 2 3 ...
## $ Risky_Nuclear : num 2 4 4 4 5 3 2 4 5 NA ...
## $ Risky_Coal : num 3 4 NA 4 5 2 3 2 4 3 ...
## $ Risky_Gas : num 3 4 4 3 4 1 3 3 4 5 ...
## $ Risky_Oil : num 3 3 2 3 4 2 3 3 4 2 ...
## $ Ben_Hydro : num 4 3 2 2 4 2 2 NA 2 4 ...
## $ Ben_Solar : num 4 4 2 3 3 3 3 4 3 3 ...
## $ Ben_Wind : num 3 4 2 2 5 1 2 2 5 3 ...
## $ Ben_Nuclear : num 5 2 NA 1 1 1 1 4 3 5 ...
## $ Ben_Coal : num 5 4 2 1 1 1 1 NA 4 4 ...
## $ Ben_Gas : num 1 4 2 1 4 2 1 5 4 4 ...
## $ Ben_Oil : num 3 3 2 2 3 1 2 3 5 3 ...
## $ K_IINTRFER : num 2 2 4 1 2 4 3 4 3 5 ...
## $ K_IPRIVACY : num 4 NA 4 4 3 3 3 4 2 1 ...
## $ K_SHARM : num 5 NA 2 4 5 3 3 1 3 5 ...
## $ K_IPROTECT : num 3 2 3 4 5 3 NA 4 3 5 ...
## $ K_SLIMCHOI : num 1 5 NA NA 5 NA NA NA 3 5 ...
## $ K_SPROTECT : num 2 4 NA NA 3 3 3 2 4 5 ...
## $ K_HEQUAL : num 5 4 2 2 2 4 4 1 2 1 ...
## $ K_HREVDIS1 : num 1 3 3 4 4 3 3 2 2 2 ...
## $ K_EDISCRIM : num NA NA 3 2 4 3 3 NA 5 3 ...
## $ K_ERADEQ1 : num 5 5 5 5 5 5 1 4 NA 4 ...
## $ K_EWEALTH : num 4 NA NA 3 5 3 3 5 NA 4 ...
## $ K_ERADEQ2 : num 5 5 5 5 1 5 5 5 4 5 ...
## $ WEALTHLIM : num 3 4 3 3 4 NA NA 4 NA 5 ...
## $ MECHANISATION : num 4 5 5 5 5 4 5 4 4 5 ...
## $ DECISIONDECEN : num 5 NA NA NA NA 3 3 NA 3 NA ...
## $ DECISIONCEN : num 3 3 NA NA NA NA 3 2 NA 2 ...
## $ INDUSTRYLARGE : num 3 2 2 1 1 1 1 1 1 1 ...
## $ INDUSTRYSMALL : num 5 5 2 2 5 2 2 4 5 5 ...
## $ ECONOMYGLOBAL : num 5 3 3 2 2 NA 5 1 2 2 ...
## $ ECONOMYLOCAL : num 1 2 4 2 1 3 4 4 4 3 ...
## $ ENVOVERDEV : num 2 NA NA NA 2 NA 3 4 5 5 ...
## $ DEVOVERENV : num 5 3 3 NA NA 3 3 2 2 3 ...
## $ OWNERPVT : num 2 2 2 3 3 3 NA 5 NA 2 ...
## $ OWNERNOREG : num 2 NA NA 3 NA NA 3 1 NA 3 ...
## $ OWNERPUB : num 3 NA 2 3 2 2 NA 2 NA 2 ...
## $ OWNERREG : num 1 NA 3 5 NA 3 3 5 NA 4 ...
## $ DISPLACENUCLEAR : num 4 4 4 5 5 4 3 NA 4 5 ...
## $ POLLUTENUCLEAR : num 2 5 5 5 5 5 3 NA 5 5 ...
## $ HEALTHNUCLEAR : num 5 5 5 5 5 3 4 4 5 5 ...
## $ JOBSNUCLEAR : num NA 3 3 NA 3 NA 3 5 NA 4 ...
## $ BEAUTYNUCLEAR : num 3 5 5 5 5 5 3 4 4 4 ...
## $ PRIDENUCLEAR : num 1 2 NA 2 1 3 1 NA NA 1 ...
## $ NPRIDENUCLEAR : num 3 2 NA 3 2 3 1 NA 3 4 ...
## $ DEVNUCLEAR : num 5 2 2 1 2 4 2 5 NA 4 ...
## $ PROSPERNUCLEAR : num 3 1 3 NA 4 4 3 3 NA 4 ...
## $ RELYNUCLEAR : num 5 2 3 2 NA 3 NA NA 5 2 ...
## $ Uppercaste : num 0 0 0 1 0 0 1 0 0 0 ...
```

```

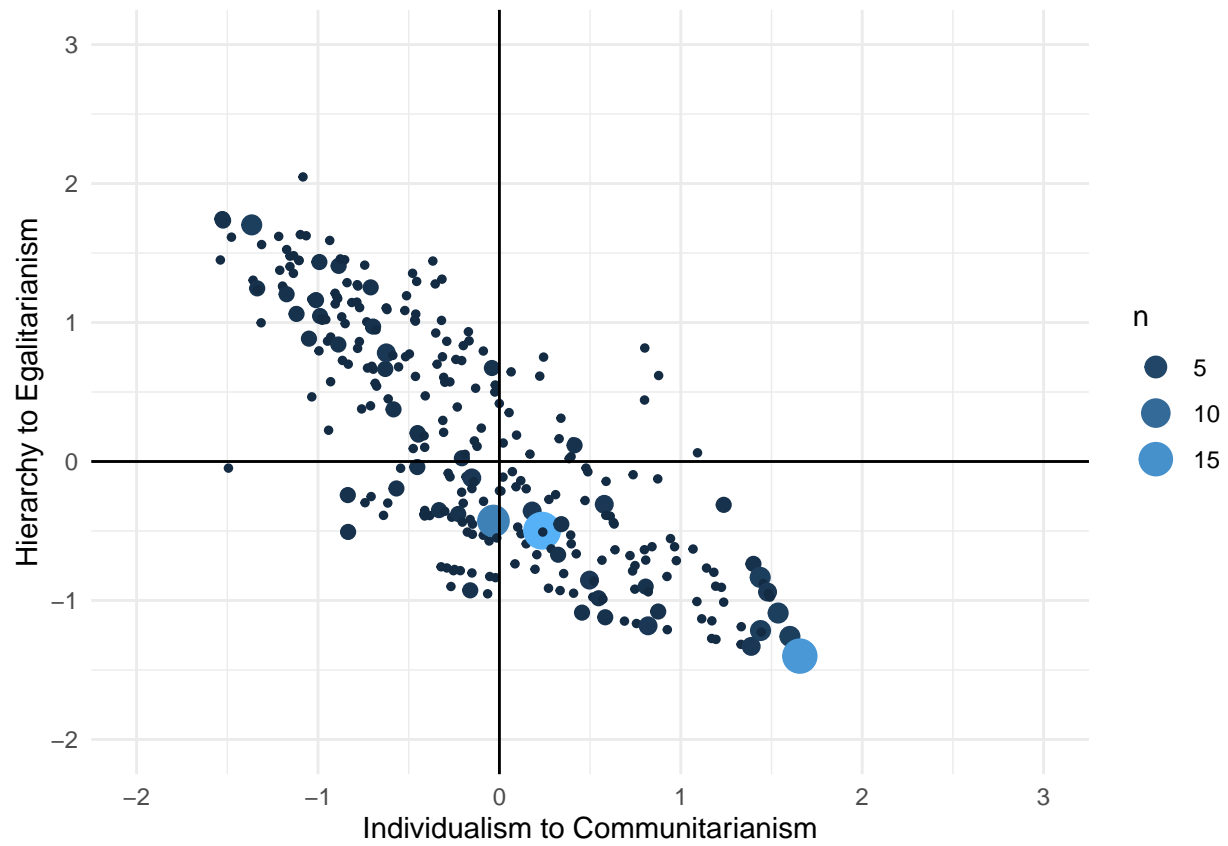
## $ Male          : num  1 1 0 1 1 1 1 1 1 1 ...
## $ Hindu         : num  1 1 1 0 1 1 1 0 0 1 ...
## $ urban_rural   : chr   "Rural" "Rural" "Rural" "Rural" ...
## $ Urban         : Factor w/ 2 levels "Rural","Urban": 1 1 1 1 1 1 1 1 1 1 ...
## $ State         : Factor w/ 5 levels "Maharashtra",...: 4 5 5 5 5 5 5 5 5 ...
## $ age           : num  4 5 2 2 3 1 3 5 3 2 ...

## 'data.frame':   1 obs. of  57 variables:
## $ Risky_Hydro    : int 121
## $ Risky_Solar    : int 58
## $ Risky_Wind     : int 210
## $ Risky_Nuclear  : int 259
## $ Risky_Coal     : int 132
## $ Risky_Gas      : int 134
## $ Risky_Oil      : int 193
## $ Ben_Hydro      : int 77
## $ Ben_Solar      : int 31
## $ Ben_Wind       : int 97
## $ Ben_Nuclear    : int 200
## $ Ben_Coal       : int 142
## $ Ben_Gas        : int 154
## $ Ben_Oil        : int 199
## $ K_IINTRFER     : int 88
## $ K_IPRIVACY     : int 63
## $ K_SHARM        : int 53
## $ K_IPROTECT     : int 56
## $ K_SLIMCHOI     : int 82
## $ K_SPROTECT     : int 74
## $ K_HEQUAL       : int 92
## $ K_HREVDIS1     : int 135
## $ K_EDISCRIM     : int 28
## $ K_ERADEQ1      : int 22
## $ K_EWEALTH      : int 46
## $ K_ERADEQ2      : int 20
## $ WEALTHLIM      : int 30
## $ MECHANISATION  : int 11
## $ DECISIONDECEN  : int 156
## $ DECISIONCEN    : int 131
## $ INDUSTRYLARGE  : int 18
## $ INDUSTRYSMALL  : int 30
## $ ECONOMYGLOBAL  : int 88
## $ ECONOMYLOCAL   : int 102
## $ ENVOVERDEV     : int 109
## $ DEVOVERENV     : int 99
## $ OWNERPVT       : int 97
## $ OWNERNOREG     : int 176
## $ OWNERPUB       : int 105
## $ OWNERREG       : int 81
## $ DISPLACENUCLEAR: int 401
## $ POLLUTENUCLEAR: int 386
## $ HEALTHNUCLEAR  : int 369
## $ JOBSNUCLEAR    : int 358
## $ BEAUTYNUCLEAR  : int 375
## $ PRIDENUCLEAR   : int 337

```

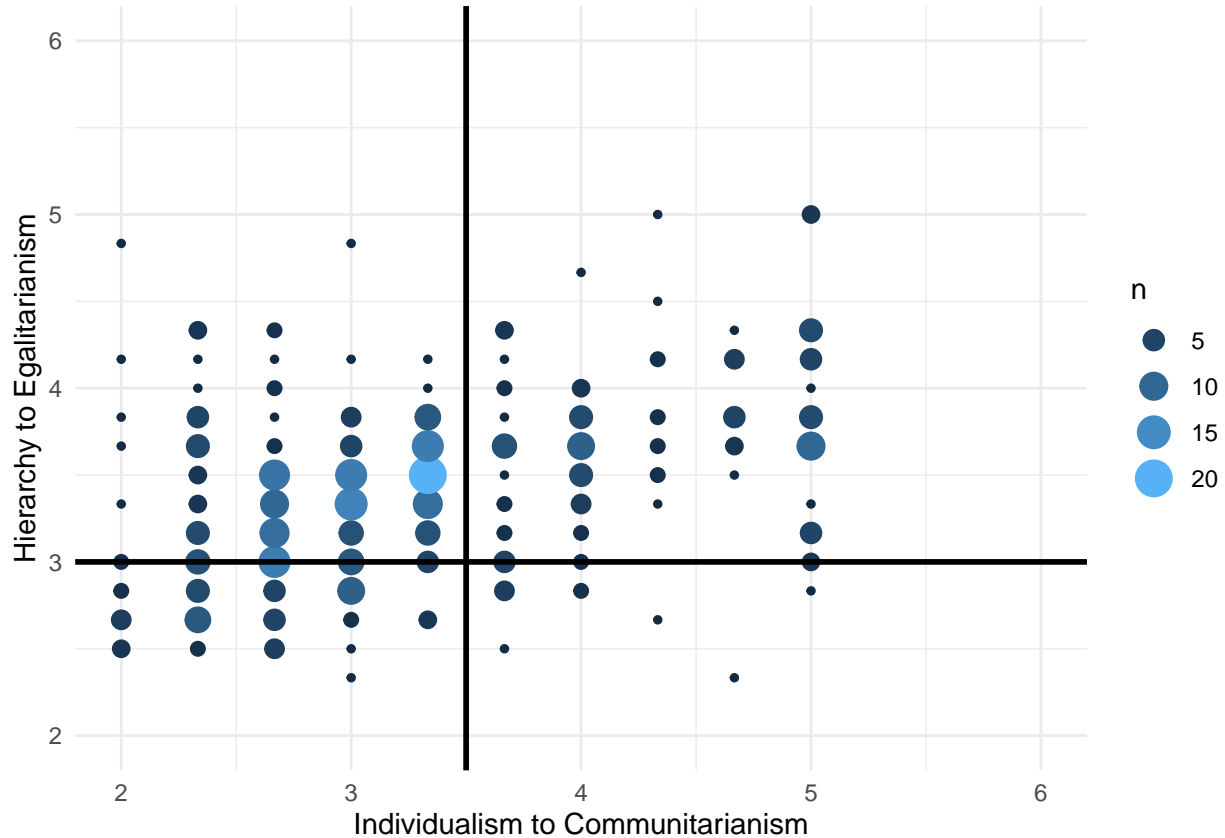
```
## $ NPRIDENUCLEAR : int 316
## $ DEVNUCLEAR    : int 295
## $ PROSPERNUCLEAR : int 356
## $ RELYNUCLEAR   : int 415
## $ Uppercaste     : int 0
## $ Male           : int 1
## $ Hindu          : int 1
## $ urban_rural    : int 0
## $ Urban          : int 0
## $ State          : int 0
## $ age            : int 0
```

Kahan scater plot from the CFA scores



alternative Kahan scores

EDIT : Scatter plot of Kahan scale scores around the median scores on Individualism and Hierarchy scales



Confirmatory Factor Analysis(CFA): Kahan Scale

Cronbach's Alpha on Kahan et al(2007) Scale: A Note

The Individualism items (indicated by K_I) were bringing down the Cronbach's alpha values in the Kahan scale. The Alpha for Individualism- Communitarian scale was 0.49. After removing the Individualism items (K_I) the alpha for this factor was 0.71. The reasons for this could be that the individualism items are not well adapted to the Indian population.

Table 2: Fit Measures from the CFA

Measure	Value
Comparative Fit Index (CFI)	0.954
Tucker-Lewis Index (TLI)	0.925
Root Mean Square Error of Approximation(RMSEA)	0.074
RMSEA 90 Percent confidence interval - lower	0.100
RMSEA 90 Percent confidence interval - upper	0.050

Table 3: Confirmatory Factor Analysis(CFA) on Kahan et al(2007) scale adapted to India

Scale	Items	Loadings	Standard Error	zvalue	pvalue	ci.lower	ci.upper	std.lv	std.all
Communitarian	Sometimes the government needs to make laws that keep people from hurting themselves.	0.704	0.064	11.037	0	0.5786531	0.8285358	0.7035944	0.6207523
Communitarian	The government should put limits on the choices individuals can make so they don't get in the way of what's good for society.	0.765	0.066	11.655	0	0.6366205	0.8940208	0.7653206	0.6579374
Communitarian	The government should do more to advance society's goals, even if that means limiting the freedom and choices of individuals.	0.546	0.065	8.385	0	0.4184991	0.6738458	0.5461725	0.4767128
Hierarchy-Egalitarianism	We have gone too far in pushing equal rights in this country.	0.686	0.062	11.139	0	0.5656331	0.8071956	0.6864143	0.5687108
Hierarchy-Egalitarianism	We need to dramatically reduce inequalities between the rich and the poor.	-0.803	0.052	-15.402	0	-0.9054554	-0.7010198	-0.8032376	-0.7469721
Hierarchy-Egalitarianism	Our society would be better off if the distribution of wealth was more equal.	-0.640	0.061	-10.478	0	-0.7600516	-0.5205128	-0.6402822	-0.5396459
Hierarchy-Egalitarianism	We need to dramatically reduce inequalities between men and women.	-0.857	0.055	-15.539	0	-0.9650777	-0.7488861	-0.8569819	-0.7525525

Factor Analysis: New Eco-political Scale

```
## Factor Analysis using method = minres
## Call: fa(r = ecopolall, nfactors = 2, rotate = "varimax")
## Standardized loadings (pattern matrix) based upon correlation matrix
##
```

	item	MR1	MR2	h2	u2	com
## HEALTHNUCLEAR	17	0.66	0.06	0.4352	0.56	1.0
## BEAUTYNUCLEAR	19	0.64	0.06	0.4104	0.59	1.0
## DISPLACENUCLEAR	15	0.59	0.18	0.3795	0.62	1.2
## POLLUTENUCLEAR	16	0.56	0.00	0.3188	0.68	1.0
## MECHANISATION	2	0.55	0.20	0.3454	0.65	1.3
## INDUSTRYSMALL	6	0.53	0.02	0.2840	0.72	1.0
## OWNERREG	14	0.53	0.10	0.2905	0.71	1.1
## ENVOVERDEV	9	0.39	0.02	0.1529	0.85	1.0
## ECONOMYGLOBAL	7	-0.34	-0.32	0.2179	0.78	2.0
## OWNERPUB	13	0.33	0.11	0.1228	0.88	1.2
## DECISIONDECEN	3	0.29	0.00	0.0840	0.92	1.0
## WEALTHLIM	1	0.27	0.27	0.1437	0.86	2.0
## OWNERPVT	11	-0.13	-0.11	0.0311	0.97	1.9
## ECONOMYLOCAL	8	0.12	0.02	0.0147	0.99	1.0
## DEVNUCLEAR	22	0.19	0.66	0.4730	0.53	1.2
## PRIDENUCLEAR	20	-0.21	0.62	0.4341	0.57	1.2
## NPRIDENUCLEAR	21	-0.19	0.61	0.4023	0.60	1.2
## PROSPERNUCLEAR	23	0.13	0.59	0.3602	0.64	1.1
## JOBSNUCLEAR	18	0.21	0.43	0.2264	0.77	1.5
## RELYNUCLEAR	24	0.06	0.39	0.1557	0.84	1.0
## INDUSTRYLARGE	5	-0.23	-0.34	0.1730	0.83	1.8
## OWNERNOREG	12	-0.11	-0.24	0.0688	0.93	1.4
## DECISIONCEN	4	-0.18	-0.22	0.0834	0.92	1.9
## DEVOVERENV	10	0.01	-0.07	0.0043	1.00	1.0

```
##
##
```

	MR1	MR2
## SS loadings	3.22	2.39
## Proportion Var	0.13	0.10
## Cumulative Var	0.13	0.23
## Proportion Explained	0.57	0.43
## Cumulative Proportion	0.57	1.00

```
##
## Mean item complexity = 1.3
## Test of the hypothesis that 2 factors are sufficient.
##
## df null model = 276 with the objective function = 5.93 with Chi Square = 2343.45
## df of the model are 229 and the objective function was 2.35
##
## The root mean square of the residuals (RMSR) is 0.08
## The df corrected root mean square of the residuals is 0.08
##
## The harmonic n.obs is 405 with the empirical chi square 1307.09 with prob < 2.6e-150
## The total n.obs was 405 with Likelihood Chi Square = 924.07 with prob < 3.4e-84
##
## Tucker Lewis Index of factoring reliability = 0.593
## RMSEA index = 0.087 and the 90 % confidence intervals are 0.081 0.093
## BIC = -450.82
## Fit based upon off diagonal values = 0.83
```


Measures of factor score adequacy

##

	MR1	MR2
## Correlation of (regression) scores with factors	0.91	0.88

## Multiple R square of scores with factors	0.82	0.78
---	------	------

## Minimum correlation of possible factor scores	0.64	0.56
--	------	------

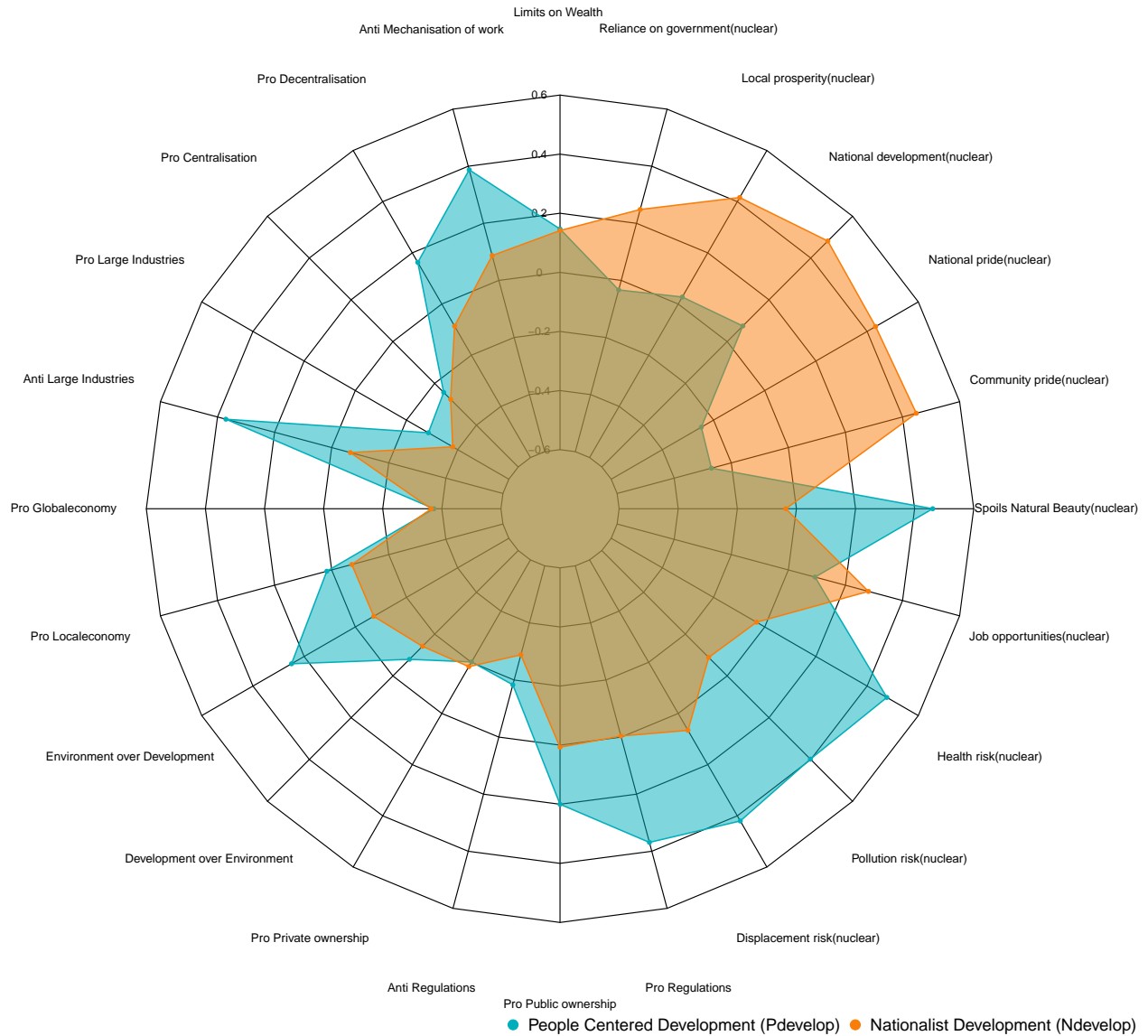


Table 4: Eco-Pol Values Factor Analysis Table

Items	Pdevelop	Ndevelop	Communality	Uniqueness	Complexity
Health risk(nuclear)	0.657	0.062	0.435	0.565	1.018
Spoils Natural Beauty(nuclear)	0.638	0.058	0.410	0.590	1.017
Displacement risk(nuclear)	0.590	0.177	0.380	0.620	1.178
Pollution risk(nuclear)	0.565	-0.003	0.319	0.681	1.000
Anti Mechanisation of work	0.552	0.201	0.345	0.655	1.262
Anti Large Industries	0.532	0.024	0.284	0.716	1.004
Pro Regulations	0.530	0.096	0.290	0.710	1.065
Environment over Development	0.391	0.016	0.153	0.847	1.003
Pro Globaleconomy	-0.335	-0.325	0.218	0.782	1.998
Pro Public ownership	0.333	0.108	0.123	0.877	1.208
Pro Decentralisation	0.290	-0.001	0.084	0.916	1.000
Limits on Wealth	0.271	0.265	0.144	0.856	1.999
Pro Private ownership	-0.135	-0.113	0.031	0.969	1.943
Pro Localeconomy	0.120	0.018	0.015	0.985	1.043
National development(nuclear)	0.187	0.662	0.473	0.527	1.159
Community pride(nuclear)	-0.215	0.623	0.434	0.566	1.234
National pride(nuclear)	-0.189	0.605	0.402	0.598	1.193
Local prosperity(nuclear)	0.132	0.586	0.360	0.640	1.101
Job opportunities(nuclear)	0.209	0.427	0.226	0.774	1.453
Reliance on government(nuclear)	0.061	0.390	0.156	0.844	1.049
Pro Large Industries	-0.233	-0.344	0.173	0.827	1.758
Anti Regulations	-0.114	-0.236	0.069	0.931	1.440
Pro Centralisation	-0.184	-0.223	0.083	0.917	1.930
Development over Environment	0.007	-0.065	0.004	0.996	1.025

Table 5: Eigenvalues and Variance Explained for Rotated Factor Solution

Property	Pdevelop	Ndevelop
SS loadings	3.224	2.388
Proportion Var	0.134	0.099
Cumulative Var	0.134	0.234
Proportion Explained	0.575	0.425
Cumulative Proportion	0.575	1.000

Table 6: Two Factor Solution: Economic and Political Values Scale

Scale	Code	Items and Loadings	Alpha	Variance
People Centered Development (Pdevelop)	Health risk(nuclear)	Nuclear energy poses a great risk to the health of people living around it.(0.657)	0.757	0.13
	Spoils Natural Beauty(nuclear)	Nuclear energy spoils the natural beauty of the landscape.(0.638)		
	Anti Mechanisation of work	Rapid mechanization of work is taking away jobs from workers in this country.(0.552)		
	Anti Large Industries	Large corporations are destroying the local industries in India and benefiting only a handful of people.(0.532)		
	Displacement risk(nuclear)	Nuclear energy is leading to displacement of people from their land.(0.59)		
	Pollution risk(nuclear)	Nuclear energy increases pollution of air/water/land.(0.565)		
Nationalist Development (Ndevelop)	Pro Regulations	Regardless of ownership, the government should pass strong regulations and implement them.(0.53)	0.725	0.1
	National development(nuclear)	Nuclear energy pushes forward the country's development.(0.662)		
	Community pride(nuclear)	I would be proud if my community used nuclear energy.(0.623)		
	National pride(nuclear)	Nuclear energy is a mark of pride for our nation.(0.605)		
	Local prosperity(nuclear)	Nuclear energy brings economic prosperity to the surrounding regions.(0.586)		

all lms after FA

```
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##     age + State + KahanS + KahanH, data = fascale_scores)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.53640 -0.63087  0.08494  0.60482  2.42059
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    3.008468   0.173020  17.388 < 2e-16 ***
## Uppercaste     -0.029007   0.107342  -0.270  0.78713
## Male          -0.101849   0.117434  -0.867  0.38632
## Hindu         -0.025295   0.118479  -0.213  0.83105
## UrbanUrban    -0.002556   0.112439  -0.023  0.98187
## age           0.049608   0.051986   0.954  0.34054
## StateRajasthan  0.444527   0.169315   2.625  0.00899 **
## StateTamil Nadu  1.140607   0.196951   5.791 1.43e-08 ***
## StateUttar Pradesh -0.006078   0.192188  -0.032  0.97479
## StateWest Bengal  1.119823   0.216211   5.179 3.57e-07 ***
## KahanS         0.202158   0.109884   1.840  0.06656 .
## KahanH        -0.077034   0.101507  -0.759  0.44837
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9411 on 393 degrees of freedom
## Multiple R-squared:  0.2603, Adjusted R-squared:  0.2396
## F-statistic: 12.57 on 11 and 393 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##     age + State + Pdevelop + Ndevelop + KahanS + KahanH, data = fascale_scores)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.58976 -0.61940  0.07404  0.57951  2.43326
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    3.03293   0.17187  17.646 < 2e-16 ***
## Uppercaste     -0.03515   0.10549  -0.333  0.739165
## Male          -0.08457   0.11559  -0.732  0.464809
## Hindu         0.02465   0.11716   0.210  0.833464
## UrbanUrban    0.02110   0.11084   0.190  0.849126
## age           0.03629   0.05123   0.708  0.479061
## StateRajasthan  0.18612   0.18065   1.030  0.303514
## StateTamil Nadu  1.28196   0.24030   5.335 1.62e-07 ***
## StateUttar Pradesh -0.06072   0.19273  -0.315  0.752907
## StateWest Bengal  0.96514   0.22619   4.267 2.49e-05 ***
## Pdevelop       0.15866   0.07465   2.125 0.034175 *
## Ndevelop       0.22980   0.06106   3.763 0.000193 ***
```

```

## KahanS          0.12040    0.11086    1.086 0.278127
## KahanH          0.01217    0.10249    0.119 0.905553
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9242 on 391 degrees of freedom
## Multiple R-squared:  0.2902, Adjusted R-squared:  0.2666
## F-statistic: 12.3 on 13 and 391 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##     age + State + Pdevelop + Ndevelop, data = fascale_scores)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.64733 -0.63889  0.07378  0.59203  2.58977
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    3.01141    0.17113   17.597 < 2e-16 ***
## Uppercaste     -0.04190    0.10535   -0.398  0.69105
## Male           -0.08447    0.11542   -0.732  0.46474
## Hindu           0.02680    0.11683    0.229  0.81872
## UrbanUrban      0.03363    0.11047    0.304  0.76095
## age             0.03792    0.05104    0.743  0.45796
## StateRajasthan  0.18645    0.18026    1.034  0.30160
## StateTamil Nadu  1.32248    0.23852    5.544 5.42e-08 ***
## StateUttar Pradesh -0.01107    0.18945   -0.058  0.95342
## StateWest Bengal  1.01748    0.22306    4.561 6.80e-06 ***
## Pdevelop        0.20730    0.06389    3.245  0.00128 **
## Ndevelop         0.25614    0.05691    4.500 8.95e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9242 on 393 degrees of freedom
## Multiple R-squared:  0.2866, Adjusted R-squared:  0.2667
## F-statistic: 14.36 on 11 and 393 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##     age + KahanS * State + KahanH * State + Pdevelop * State +
##     Ndevelop * State, data = fascale_scores)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.39394 -0.49320  0.02001  0.57332  2.23460
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    3.10090    0.17842   17.379 < 2e-16 ***
## Uppercaste     -0.04657    0.10720   -0.434  0.66424
## Male           -0.06450    0.11688   -0.552  0.58138
## Hindu           0.02304    0.11652    0.198  0.84334

```

```

## UrbanUrban          0.02864    0.11279    0.254    0.79970
## age                 0.01450    0.05238    0.277    0.78207
## KahanS              0.04223    0.19242    0.219    0.82641
## StateRajasthan      0.61631    0.23849    2.584    0.01014 *
## StateTamil Nadu     1.12474    0.42483    2.648    0.00845 **
## StateUttar Pradesh  -0.08377    0.19758   -0.424    0.67183
## StateWest Bengal    0.98578    0.42377    2.326    0.02054 *
## KahanH              0.04913    0.16019    0.307    0.75923
## Pdevelop            0.21953    0.11834    1.855    0.06438 .
## Ndevelop            0.52683    0.10674    4.936    1.2e-06 ***
## KahanS:StateRajasthan 1.06119    0.32928    3.223    0.00138 **
## KahanS:StateTamil Nadu -0.02962    0.40940   -0.072    0.94236
## KahanS:StateUttar Pradesh 0.14266    0.31810    0.448    0.65407
## KahanS:StateWest Bengal -0.13244    0.50610   -0.262    0.79370
## StateRajasthan:KahanH 0.79215    0.34928    2.268    0.02390 *
## StateTamil Nadu:KahanH -0.11998    0.40028   -0.300    0.76454
## StateUttar Pradesh:KahanH -0.03905    0.33379   -0.117    0.90693
## StateWest Bengal:KahanH 0.23958    0.65707    0.365    0.71560
## StateRajasthan:Pdevelop -0.11700    0.19656   -0.595    0.55205
## StateTamil Nadu:Pdevelop -0.13970    0.32725   -0.427    0.66971
## StateUttar Pradesh:Pdevelop -0.15289    0.21850   -0.700    0.48452
## StateWest Bengal:Pdevelop 0.35121    0.32564    1.079    0.28149
## StateRajasthan:Ndevelop -0.67302    0.21043   -3.198    0.00150 ***
## StateTamil Nadu:Ndevelop -0.46853    0.19958   -2.348    0.01942 *
## StateUttar Pradesh:Ndevelop -0.40477    0.16709   -2.423    0.01589 *
## StateWest Bengal:Ndevelop -0.46947    0.20572   -2.282    0.02305 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9061 on 375 degrees of freedom
## Multiple R-squared:  0.3458, Adjusted R-squared:  0.2952
## F-statistic: 6.834 on 29 and 375 DF,  p-value: < 2.2e-16

```

Lms with alt Kahan scores

```

##      Risky_Nuclear WEALTHLIM MECHANISATION DECISIONDECEN DECISIONCEN
## 23              4          1              5              5              1
## 25              2          2              5              5              1
## 28              5          2              5              4              2
## 31              1          5              5              1              1
## 33              4          1              5              5              1
## 34              5          5              5              4              2
## 36              4          4              4              2              3
## 50              1          5              5              5              1
## 58              2          5              2              3              2
## 60              1          5              5              1              1
## 63              4          5              5              5              1
## 64              1          5              4              2              4
## 70              4          5              5              5              4
## 75              3          5              4              5              4
## 77              3          5              5              5              1
## 78              5          5              5              1              4
## 81              4          5              5              4              2

```

## 84	5	5	5	4	2
## 85	4	3	4	4	3
## 92	4	5	5	3	1
## 95	4	4	5	4	2
## 96	1	5	5	1	1
## 97	1	4	2	5	1
## 98	4	4	5	4	2
## 100	4	5	3	2	1
## 103	2	4	2	1	2
## 107	3	4	4	2	3
## 109	5	5	4	2	4
## 111	1	1	1	1	1
## 112	3	5	5	2	3
## 113	4	5	4	4	1
## 114	5	5	4	2	4
## 115	5	5	4	2	4
## 116	5	5	5	4	2
## 118	3	5	5	1	1
## 119	5	3	5	5	4
## 123	4	1	1	1	1
## 124	1	2	3	1	3
## 130	5	5	5	4	2
## 135	5	5	5	2	1
## 138	5	5	5	4	2
## 139	4	5	5	5	1
## 143	4	1	5	1	1
## 144	3	5	5	1	1
## 146	5	4	4	3	2
## 153	4	1	5	1	1
## 156	4	1	5	5	1
## 158	3	5	5	2	1
## 167	3	5	5	4	2
## 168	4	5	5	5	4
## 169	5	5	4	4	2
## 170	4	5	4	4	2
## 171	5	1	5	5	1
## 172	5	5	5	1	1
## 179	2	5	4	3	3
## 181	3	5	5	3	1
## 184	5	4	4	2	2
## 197	4	5	5	2	4
## 201	4	1	4	5	5
## 202	3	3	2	3	5
## 207	2	3	2	2	2
## 208	3	3	4	2	3
## 211	3	4	2	2	3
## 214	4	1	5	1	5
## 216	2	4	2	3	4
## 219	5	5	4	2	4
## 220	4	3	1	2	4
## 222	1	3	4	2	4
## 223	3	3	2	2	3
## 224	2	3	4	4	1
## 229	4	2	3	5	1

## 230	5	1	2	1	1
## 231	5	1	1	1	5
## 232	5	2	1	5	4
## 235	2	4	4	5	2
## 236	2	3	3	3	3
## 243	4	4	4	4	4
## 249	4	5	4	5	1
## 251	3	4	4	4	2
## 252	3	3	4	4	2
## 253	4	4	4	4	1
## 258	4	5	5	5	1
## 261	2	4	3	2	2
## 262	3	3	3	2	2
## 264	5	2	3	2	3
## 265	5	2	1	5	5
## 267	2	3	3	3	4
## 269	5	1	4	5	2
## 271	4	5	5	3	3
## 272	3	4	2	3	3
## 273	4	3	4	1	2
## 274	2	2	3	2	2
## 275	4	4	5	5	2
## 277	2	4	2	3	3
## 278	2	4	5	5	1
## 281	3	3	2	2	2
## 284	2	3	1	3	2
## 286	2	1	2	2	4
## 287	2	3	2	3	4
## 288	4	5	4	3	4
## 291	5	4	4	4	1
## 293	3	1	1	4	2
## 294	2	3	2	3	4
## 295	1	5	4	1	1
## 297	3	4	5	2	4
## 306	4	5	5	5	1
## 310	2	3	5	2	4
## 311	4	5	5	1	2
## 312	5	3	5	4	2
## 321	5	4	4	2	2
## 329	3	4	3	3	2
## 330	4	5	5	2	5
## 332	3	3	2	3	3
## 334	4	1	4	4	3
## 335	3	2	3	3	2
## 337	2	2	4	2	3
## 342	2	3	2	3	3
## 344	3	4	4	3	2
## 346	3	2	3	2	2
## 349	3	2	3	3	4
## 352	2	2	5	2	3
## 353	2	2	2	2	2
## 362	3	2	2	3	4
## 363	3	2	2	3	4
## 377	5	3	4	2	3

## 378	4	1	3	2	2
## 379	4	1	3	2	2
## 383	3	2	5	2	2
## 384	4	1	5	5	3
## 386	5	3	5	4	2
## 389	4	2	2	4	3
## 392	4	4	4	4	5
## 399	3	1	3	2	4
## 400	2	3	2	3	4
## 403	2	3	3	2	3
## 405	2	3	3	3	4
## 407	4	2	2	2	3
## 408	5	5	3	4	5
## 409	2	3	3	3	4
## 411	3	2	3	3	3
## 412	3	2	3	2	2
## 413	2	3	2	3	2
## 416	2	3	3	2	3
## 417	4	4	3	3	2
## 418	5	4	4	2	2
## 419	3	3	2	2	2
## 420	2	3	2	2	3
## 421	4	4	4	4	3
## 422	4	4	4	2	2
## 423	3	2	3	2	3
## 424	3	2	3	2	3
## 435	3	3	4	4	1
## 437	3	2	2	4	4
## 441	2	4	2	3	3
## 442	3	3	3	2	3
## 443	2	2	3	2	3
## 444	2	2	3	3	1
## 445	2	4	2	2	2
## 446	3	2	2	3	2
## 447	3	3	2	2	3
## 448	2	4	5	2	2
## 449	3	3	3	4	3
## 450	2	4	2	2	3
## 453	3	4	4	2	4
## 454	2	4	2	4	4
## 457	1	2	5	4	4
## 464	4	5	5	1	3
## 466	3	4	5	4	3
## 468	2	5	5	2	1
## 469	3	2	4	2	2
## 471	2	2	4	4	4
## 472	2	4	5	4	4
## 473	4	5	5	2	4
## 483	5	4	5	3	2
## 485	3	2	2	3	2
## 487	1	2	2	4	4
## 489	3	2	3	3	4
## 492	2	3	3	2	3
## 495	2	2	2	3	3

## 498	2	2	4	3	4
## 502	3	2	4	3	3
## 503	2	2	4	4	2
## 504	4	2	5	2	2
## 505	2	4	2	2	2
## 507	1	2	5	2	2
## 508	1	2	5	2	2
## 509	3	4	2	3	3
## 510	2	2	4	2	2
## 511	2	4	4	2	4
## 512	2	4	4	2	3
## 517	5	5	5	1	1
## 523	4	5	5	2	1
## 525	5	5	5	5	1
## 530	1	2	4	2	2
## 536	4	4	5	2	4
## 540	3	4	4	2	2
## 541	2	2	5	2	2
## 543	1	3	3	4	2
## 549	4	5	5	1	4
## 550	4	5	5	1	4
## 552	5	4	5	5	1
## 560	4	2	4	3	2
## 563	2	2	3	2	2
## 564	2	2	3	2	2
## 566	3	3	5	4	4
## 567	5	5	5	1	1
## 569	2	4	5	4	4
## 570	2	3	5	1	1
## 574	3	4	2	3	4
## 575	3	4	4	5	2
## 576	4	4	5	4	4
## 577	3	2	4	2	3
## 578	4	4	4	4	2
## 579	4	5	5	3	3
## 580	2	4	2	3	4
## 581	5	2	4	2	4
## 584	4	4	4	3	2
## 585	2	2	2	3	2
## 589	2	2	4	2	3
## 591	5	4	2	4	4
## 592	3	2	3	2	2
## 594	3	4	2	2	2
## 595	4	1	5	5	1
## 596	4	4	2	4	3
## 597	2	3	3	2	3
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## 495	3	3	3	2	0	1	1
## 498	4	3	3	2	0	1	1
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## 505	3	2	4	2	1	0	0
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## 510	2	4	4	4	1	1	1
## 511	4	4	4	5	0	1	1
## 512	4	4	5	5	0	1	0
## 517	3	3	5	5	0	1	1
## 523	5	5	5	5	1	1	1
## 525	1	5	5	5	0	1	1
## 530	1	4	1	5	0	1	1
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## 541	2	2	4	1	0	1	1
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## 564	3	2	2	3	0	0	1
## 566	2	2	2	2	0	0	1
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## 569	5	2	4	2	1	0	1
## 570	3	3	3	4	0	1	1
## 574	3	4	2	4	0	0	0
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## 577	3	4	3	3	0	0	0
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## 584	4	4	3	3	0	1	0
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## 589	2	3	2	3	0	0	1
## 591	4	3	3	4	0	0	1
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## 660	1	5	5	5	0	1	0
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## 726	3	2	4	2	0	0	1
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## 732	2	3	2	3	0	0	0
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## 736	3	3	2	3	0	0	1
## 737	4	2	3	2	0	1	1
## 738	2	2	4	3	0	0	1
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## 763	2	4	2	3	1	1	0
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## 776	4	4	4	3	1	1	1
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## 785	4	4	4	4	0	1	0
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## 796	3	3	3	3	1	1	1
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## 808	4	3	4	3	1	0	1
## 809	4	3	4	3	1	0	1
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## 826	4	3	2	2	1	1	1
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## 834	4	2	3	2	0	1	0
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## 836	3	2	4	3	0	1	0
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## 845	4	4	2	2	1	1	1
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## 847	4	4	4	4	0	1	1
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## 866	4	4	4	4	1	1	1
## 868	4	4	4	3	0	1	1
## 869	4	4	3	4	1	0	0
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## 891	4	4	4	3	0	1	1
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## 903	4	4	4	3	0	1	1
## 905	4	4	4	4	0	1	1
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## 911	1	1	1	1	0	0	1
## 913	5	5	5	2	0	1	0
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## 946	2	4	4	5	0	0	1
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## 973	1	4	4	1	0	1	1
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## 980	1	1	1	1	0	0	1
## 982	5	5	5	2	0	1	0
## 994	1	1	1	1	0	0	1
## 1017	1	4	5	4	0	1	1
## 1019	1	1	1	1	0	1	1
## 1033	1	1	1	5	0	1	1

## 1041	1	4	4	1	0	1	1
## 1042	1	1	1	1	0	1	1
## 1043	1	4	4	1	0	1	1
## 1049	1	4	4	5	0	1	0
## 1060	2	4	1	5	0	1	1
## 1061	1	4	1	5	0	1	0
## 1062	1	3	4	5	0	0	1
## 1063	1	4	5	1	0	1	1
## 1067	2	4	4	4	0	1	1
## 1072	1	1	1	5	0	0	1
## 1091	1	4	3	1	0	0	1
## 1097	1	4	4	1	0	0	1
## 1098	1	4	4	2	0	0	1
## 1099	1	4	4	5	0	0	0
##	urban_rural	Urban	State	age	Communitarianism_score		
## 23	Rural	Rural	Uttar Pradesh	3	2.333333		
## 25	Rural	Rural	West Bengal	3	4.666667		
## 28	Rural	Rural	West Bengal	4	5.000000		
## 31	Rural	Rural	Uttar Pradesh	2	5.000000		
## 33	Rural	Rural	Uttar Pradesh	2	5.000000		
## 34	Rural	Rural	West Bengal	1	4.000000		
## 36	Rural	Rural	West Bengal	5	3.333333		
## 50	Rural	Rural	Uttar Pradesh	3	3.666667		
## 58	Rural	Rural	Uttar Pradesh	3	2.666667		
## 60	Rural	Rural	Uttar Pradesh	1	5.000000		
## 63	Rural	Rural	Uttar Pradesh	1	4.000000		
## 64	Rural	Rural	Uttar Pradesh	2	2.666667		
## 70	Rural	Rural	Uttar Pradesh	2	5.000000		
## 75	Rural	Rural	Uttar Pradesh	3	4.000000		
## 77	Rural	Rural	Uttar Pradesh	1	4.000000		
## 78	Rural	Rural	Uttar Pradesh	1	2.666667		
## 81	Rural	Rural	West Bengal	2	5.000000		
## 84	Rural	Rural	West Bengal	2	4.666667		
## 85	Rural	Rural	West Bengal	2	4.000000		
## 92	Rural	Rural	Uttar Pradesh	1	3.000000		
## 95	Urban	Urban	West Bengal	2	4.666667		
## 96	Rural	Rural	Uttar Pradesh	2	5.000000		
## 97	Rural	Rural	Uttar Pradesh	2	2.333333		
## 98	Rural	Rural	Uttar Pradesh	3	4.000000		
## 100	Rural	Rural	Uttar Pradesh	4	3.666667		
## 103	Rural	Rural	Uttar Pradesh	4	2.333333		
## 107	Rural	Rural	Uttar Pradesh	3	2.333333		
## 109	Rural	Rural	West Bengal	3	4.000000		
## 111	Rural	Rural	Uttar Pradesh	4	4.666667		
## 112	Rural	Rural	Uttar Pradesh	4	3.333333		
## 113	Rural	Rural	Uttar Pradesh	2	4.000000		
## 114	Rural	Rural	West Bengal	3	4.000000		
## 115	Rural	Rural	West Bengal	2	4.333333		
## 116	Rural	Rural	West Bengal	3	5.000000		
## 118	Rural	Rural	West Bengal	4	5.000000		
## 119	Urban	Urban	Uttar Pradesh	2	4.333333		
## 123	Rural	Rural	Uttar Pradesh	4	3.666667		
## 124	Rural	Rural	Uttar Pradesh	1	4.333333		
## 130	Rural	Rural	West Bengal	1	4.000000		

## 135	Rural	Rural	West Bengal	2	5.000000
## 138	Rural	Rural	West Bengal	1	4.666667
## 139	Rural	Rural	Uttar Pradesh	2	3.666667
## 143	Urban	Urban	Uttar Pradesh	3	2.333333
## 144	Rural	Rural	West Bengal	2	4.666667
## 146	Rural	Rural	West Bengal	1	4.000000
## 153	Rural	Rural	Uttar Pradesh	1	5.000000
## 156	Rural	Rural	Uttar Pradesh	2	5.000000
## 158	Rural	Rural	West Bengal	3	4.000000
## 167	Rural	Rural	West Bengal	3	4.000000
## 168	Urban	Urban	Uttar Pradesh	1	2.333333
## 169	Rural	Rural	West Bengal	4	4.666667
## 170	Rural	Rural	West Bengal	3	4.666667
## 171	Rural	Rural	Uttar Pradesh	3	3.666667
## 172	Rural	Rural	Uttar Pradesh	3	5.000000
## 179	Rural	Rural	Uttar Pradesh	2	2.333333
## 181	Rural	Rural	Uttar Pradesh	1	2.000000
## 184	Rural	Rural	Rajasthan	2	2.333333
## 197	Rural	Rural	Rajasthan	3	5.000000
## 201	Urban	Urban	Maharashtra	2	2.666667
## 202	Urban	Urban	Maharashtra	2	3.333333
## 207	Urban	Urban	Maharashtra	1	3.333333
## 208	Urban	Urban	Maharashtra	3	2.666667
## 211	Urban	Urban	Maharashtra	2	2.333333
## 214	Urban	Urban	Maharashtra	2	2.666667
## 216	Urban	Urban	Maharashtra	2	3.333333
## 219	Urban	Urban	Maharashtra	1	2.333333
## 220	Urban	Urban	Maharashtra	1	4.333333
## 222	Urban	Urban	Maharashtra	1	4.333333
## 223	Urban	Urban	Maharashtra	2	2.666667
## 224	Urban	Urban	Maharashtra	1	3.666667
## 229	Urban	Urban	Rajasthan	2	2.333333
## 230	Rural	Rural	Rajasthan	2	3.666667
## 231	Rural	Rural	Rajasthan	2	5.000000
## 232	Urban	Urban	Maharashtra	2	2.333333
## 235	Rural	Rural	Rajasthan	1	3.000000
## 236	Urban	Urban	Uttar Pradesh	2	2.000000
## 243	Urban	Urban	Maharashtra	1	2.666667
## 249	Rural	Rural	Uttar Pradesh	2	5.000000
## 251	Urban	Urban	Maharashtra	2	4.000000
## 252	Urban	Urban	Maharashtra	3	4.000000
## 253	Rural	Rural	Uttar Pradesh	2	4.333333
## 258	Rural	Rural	Rajasthan	2	5.000000
## 261	Urban	Urban	Maharashtra	2	2.666667
## 262	Urban	Urban	Maharashtra	1	2.333333
## 264	Urban	Urban	Maharashtra	2	3.000000
## 265	Urban	Urban	Maharashtra	1	2.333333
## 267	Rural	Rural	Maharashtra	1	2.333333
## 269	Rural	Rural	Uttar Pradesh	2	5.000000
## 271	Rural	Rural	Rajasthan	3	4.000000
## 272	Urban	Urban	Maharashtra	2	3.000000
## 273	Urban	Urban	Maharashtra	1	3.333333
## 274	Urban	Urban	Maharashtra	3	3.000000
## 275	Urban	Urban	Maharashtra	1	3.000000

## 277	Urban Urban	Maharashtra	1	3.333333
## 278	Urban Urban	Maharashtra	2	4.000000
## 281	Urban Urban	Maharashtra	3	3.333333
## 284	Urban Urban	Maharashtra	3	2.666667
## 286	Urban Urban	Maharashtra	1	4.333333
## 287	Urban Urban	Maharashtra	1	2.333333
## 288	Rural Rural	Maharashtra	3	2.333333
## 291	Rural Rural	Uttar Pradesh	4	4.000000
## 293	Urban Urban	Maharashtra	1	4.000000
## 294	Urban Urban	Maharashtra	4	3.000000
## 295	Rural Rural	Uttar Pradesh	2	5.000000
## 297	Urban Urban	Maharashtra	1	3.333333
## 306	Rural Rural	Rajasthan	1	3.666667
## 310	Urban Urban	Maharashtra	1	2.666667
## 311	Urban Urban	Rajasthan	2	5.000000
## 312	Urban Urban	Maharashtra	1	3.666667
## 321	Urban Urban	Maharashtra	1	3.333333
## 329	Rural Rural	Maharashtra	1	3.000000
## 330	Rural Rural	Maharashtra	2	2.333333
## 332	Rural Rural	Maharashtra	1	3.000000
## 334	Urban Urban	Maharashtra	1	3.333333
## 335	Rural Rural	Maharashtra	1	3.000000
## 337	Rural Rural	Maharashtra	2	2.333333
## 342	Rural Rural	Maharashtra	3	2.666667
## 344	Urban Urban	Maharashtra	2	4.000000
## 346	Rural Rural	Maharashtra	3	2.666667
## 349	Rural Rural	Maharashtra	2	2.666667
## 352	Rural Rural	Maharashtra	1	3.000000
## 353	Rural Rural	Maharashtra	1	2.666667
## 362	Urban Urban	Maharashtra	2	3.000000
## 363	Urban Urban	Maharashtra	2	3.000000
## 377	Rural Rural	Maharashtra	1	2.000000
## 378	Urban Urban	Maharashtra	1	3.333333
## 379	Urban Urban	Maharashtra	1	3.333333
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## 384	Rural Rural	Maharashtra	3	2.333333
## 386	Urban Urban	Maharashtra	6	3.000000
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## 403	Rural Rural	Maharashtra	2	2.333333
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## 417	Rural Rural	Maharashtra	3	3.666667
## 418	Rural Rural	Maharashtra	2	3.333333
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## 423	Urban	Urban	Maharashtra	2	3.000000
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## 435	Rural	Rural	Maharashtra	3	4.666667
## 437	Urban	Urban	Maharashtra	2	2.666667
## 441	Urban	Urban	Maharashtra	3	3.333333
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## 443	Urban	Urban	Maharashtra	2	2.333333
## 444	Urban	Urban	Maharashtra	1	3.000000
## 445	Urban	Urban	Maharashtra	3	3.333333
## 446	Urban	Urban	Maharashtra	4	2.333333
## 447	Urban	Urban	Maharashtra	2	3.333333
## 448	Urban	Urban	Maharashtra	2	2.333333
## 449	Urban	Urban	Maharashtra	1	2.333333
## 450	Urban	Urban	Maharashtra	2	3.666667
## 453	Urban	Urban	Maharashtra	2	2.666667
## 454	Urban	Urban	Maharashtra	2	3.333333
## 457	Urban	Urban	Maharashtra	3	2.666667
## 464	Rural	Rural	Uttar Pradesh	2	5.000000
## 466	Urban	Urban	Maharashtra	2	4.000000
## 468	Rural	Rural	Maharashtra	2	2.000000
## 469	Urban	Urban	Maharashtra	2	4.000000
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## 472	Urban	Urban	Maharashtra	2	2.666667
## 473	Urban	Urban	Maharashtra	1	3.333333
## 483	Rural	Rural	Rajasthan	2	3.000000
## 485	Urban	Urban	Maharashtra	3	3.000000
## 487	Urban	Urban	Maharashtra	2	3.000000
## 489	Urban	Urban	Maharashtra	2	2.333333
## 492	Urban	Urban	Maharashtra	2	2.666667
## 495	Urban	Urban	Maharashtra	2	2.333333
## 498	Urban	Urban	Maharashtra	3	2.333333
## 502	Rural	Rural	Maharashtra	2	2.333333
## 503	Urban	Urban	Maharashtra	3	3.333333
## 504	Urban	Urban	Maharashtra	2	3.000000
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## 508	Urban	Urban	Maharashtra	2	2.666667
## 509	Rural	Rural	Maharashtra	2	3.000000
## 510	Urban	Urban	Maharashtra	2	3.333333
## 511	Urban	Urban	Maharashtra	4	2.666667
## 512	Urban	Urban	Maharashtra	4	2.666667
## 517	Rural	Rural	Rajasthan	2	5.000000
## 523	Rural	Rural	Rajasthan	1	5.000000
## 525	Rural	Rural	Rajasthan	3	5.000000
## 530	Urban	Urban	Maharashtra	3	4.000000
## 536	Rural	Rural	Maharashtra	3	3.000000
## 540	Urban	Urban	Maharashtra	2	3.666667
## 541	Rural	Rural	Maharashtra	3	2.666667
## 543	Rural	Rural	Uttar Pradesh	3	3.666667
## 549	Rural	Rural	Maharashtra	2	4.000000
## 550	Rural	Rural	Maharashtra	2	4.000000
## 552	Rural	Rural	Rajasthan	3	5.000000

## 560	Urban Urban	Maharashtra	2	2.666667
## 563	Urban Urban	Maharashtra	3	3.333333
## 564	Urban Urban	Maharashtra	3	3.333333
## 566	Urban Urban	Maharashtra	2	2.666667
## 567	Rural Rural	Rajasthan	3	4.000000
## 569	Urban Urban	Maharashtra	2	2.666667
## 570	Rural Rural	Uttar Pradesh	3	3.333333
## 574	Urban Urban	Maharashtra	2	3.000000
## 575	Rural Rural	Maharashtra	7	3.333333
## 576	Rural Rural	Maharashtra	2	3.333333
## 577	Urban Urban	Maharashtra	1	3.333333
## 578	Rural Rural	Maharashtra	3	3.333333
## 579	Rural Rural	Rajasthan	3	3.000000
## 580	Urban Urban	Maharashtra	2	3.000000
## 581	Urban Urban	Maharashtra	4	4.333333
## 584	Rural Rural	Rajasthan	3	3.333333
## 585	Urban Urban	Maharashtra	2	3.333333
## 589	Urban Urban	Maharashtra	2	2.666667
## 591	Urban Urban	Maharashtra	1	3.000000
## 592	Rural Rural	Maharashtra	1	3.333333
## 594	Rural Rural	Maharashtra	2	2.666667
## 595	Rural Rural	Uttar Pradesh	6	4.000000
## 596	Rural Rural	Maharashtra	2	2.666667
## 597	Rural Rural	Maharashtra	1	2.666667
## 599	Urban Urban	West Bengal	4	2.333333
## 600	Urban Urban	West Bengal	2	3.333333
## 610	Urban Urban	West Bengal	3	3.333333
## 612	Urban Urban	Maharashtra	1	4.000000
## 614	Urban Urban	Maharashtra	2	2.666667
## 615	Urban Urban	Maharashtra	2	2.666667
## 617	Urban Urban	Maharashtra	2	3.333333
## 618	Urban Urban	Maharashtra	1	4.000000
## 620	Urban Urban	Maharashtra	2	3.333333
## 623	Rural Rural	Maharashtra	1	3.000000
## 632	Urban Urban	West Bengal	1	2.000000
## 637	Urban Urban	Rajasthan	2	5.000000
## 639	Urban Urban	Rajasthan	3	5.000000
## 640	Urban Urban	Rajasthan	3	3.666667
## 649	Urban Urban	West Bengal	2	4.000000
## 651	Rural Rural	Rajasthan	2	5.000000
## 655	Urban Urban	Maharashtra	3	2.666667
## 656	Urban Urban	Maharashtra	2	2.000000
## 659	Urban Urban	Maharashtra	1	2.666667
## 660	Rural Rural	Rajasthan	3	5.000000
## 662	Urban Urban	Maharashtra	2	2.666667
## 665	Urban Urban	Maharashtra	1	2.000000
## 667	Urban Urban	Maharashtra	2	2.666667
## 669	Urban Urban	Maharashtra	2	3.000000
## 670	Rural Rural	Rajasthan	1	3.333333
## 674	Urban Urban	Maharashtra	2	3.333333
## 676	Urban Urban	Maharashtra	1	3.666667
## 682	Rural Rural	Rajasthan	1	3.000000
## 684	Urban Urban	Maharashtra	3	3.666667
## 685	Urban Urban	Maharashtra	3	4.000000

## 692	Rural	Rural	Rajasthan	3	5.000000
## 700	Rural	Rural	West Bengal	5	3.666667
## 703	Urban	Urban	Maharashtra	2	3.000000
## 704	Urban	Urban	Maharashtra	1	3.333333
## 709	Urban	Urban	West Bengal	2	4.666667
## 711	Urban	Urban	Maharashtra	2	3.333333
## 716	Urban	Urban	West Bengal	3	4.333333
## 719	Urban	Urban	West Bengal	2	4.333333
## 722	Rural	Rural	Rajasthan	4	3.333333
## 724	Rural	Rural	Rajasthan	2	3.000000
## 726	Rural	Rural	Maharashtra	4	2.333333
## 728	Rural	Rural	Maharashtra	1	2.333333
## 729	Rural	Rural	Maharashtra	1	2.000000
## 730	Rural	Rural	Maharashtra	1	2.333333
## 731	Rural	Rural	Rajasthan	2	2.666667
## 732	Rural	Rural	Maharashtra	1	2.000000
## 733	Rural	Rural	Rajasthan	2	3.333333
## 734	Rural	Rural	Maharashtra	1	2.333333
## 735	Rural	Rural	Maharashtra	1	2.333333
## 736	Rural	Rural	Maharashtra	1	2.666667
## 737	Rural	Rural	Maharashtra	1	2.666667
## 738	Rural	Rural	Maharashtra	1	3.000000
## 739	Rural	Rural	Maharashtra	1	2.666667
## 740	Rural	Rural	Maharashtra	1	2.666667
## 746	Rural	Rural	Rajasthan	3	3.333333
## 754	Rural	Rural	Maharashtra	2	3.000000
## 755	Rural	Rural	Maharashtra	2	3.000000
## 757	Urban	Urban	Maharashtra	2	2.333333
## 758	Urban	Urban	Maharashtra	2	2.333333
## 760	Urban	Urban	Maharashtra	2	2.666667
## 761	Urban	Urban	Maharashtra	2	2.666667
## 762	Urban	Urban	Maharashtra	2	2.333333
## 763	Urban	Urban	Maharashtra	2	2.666667
## 764	Urban	Urban	Maharashtra	2	2.666667
## 765	Urban	Urban	Maharashtra	2	3.000000
## 766	Rural	Rural	Rajasthan	1	3.333333
## 767	Urban	Urban	Maharashtra	2	3.000000
## 768	Urban	Urban	Maharashtra	2	2.333333
## 769	Rural	Rural	Rajasthan	1	3.333333
## 770	Urban	Urban	Maharashtra	2	3.333333
## 771	Urban	Urban	Maharashtra	2	3.000000
## 772	Rural	Rural	Rajasthan	4	3.000000
## 773	Urban	Urban	Maharashtra	2	2.000000
## 774	Rural	Rural	Rajasthan	1	3.333333
## 776	Rural	Rural	Rajasthan	2	3.333333
## 778	Rural	Rural	Rajasthan	2	3.000000
## 780	Rural	Rural	Rajasthan	5	3.333333
## 784	Rural	Rural	Rajasthan	1	2.333333
## 785	Rural	Rural	Rajasthan	2	3.000000
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## 793	Rural	Rural	Rajasthan	2	2.666667
## 794	Rural	Rural	Maharashtra	1	2.666667
## 796	Rural	Rural	Rajasthan	1	3.000000
## 797	Rural	Rural	Rajasthan	2	3.333333

## 798	Rural	Rural	Maharashtra	1	3.000000
## 799	Rural	Rural	Maharashtra	1	3.000000
## 801	Rural	Rural	Maharashtra	1	2.666667
## 802	Rural	Rural	Maharashtra	1	3.000000
## 803	Rural	Rural	Maharashtra	1	2.333333
## 804	Rural	Rural	Maharashtra	1	3.333333
## 805	Rural	Rural	Maharashtra	1	4.000000
## 806	Rural	Rural	Maharashtra	2	3.333333
## 807	Rural	Rural	Maharashtra	3	3.666667
## 808	Rural	Rural	Maharashtra	3	2.000000
## 809	Rural	Rural	Maharashtra	3	2.000000
## 810	Rural	Rural	Maharashtra	1	2.666667
## 811	Rural	Rural	Maharashtra	1	2.666667
## 816	Rural	Rural	Rajasthan	2	3.000000
## 819	Rural	Rural	Rajasthan	2	3.000000
## 820	Rural	Rural	Rajasthan	2	3.000000
## 821	Rural	Rural	Rajasthan	2	3.333333
## 825	Urban	Urban	Maharashtra	2	2.333333
## 826	Urban	Urban	Maharashtra	2	2.333333
## 828	Urban	Urban	Maharashtra	2	3.666667
## 829	Urban	Urban	Maharashtra	2	3.666667
## 830	Rural	Rural	Rajasthan	2	3.000000
## 831	Urban	Urban	Maharashtra	2	2.666667
## 834	Urban	Urban	Maharashtra	2	2.000000
## 835	Urban	Urban	Maharashtra	2	3.666667
## 836	Urban	Urban	Maharashtra	2	2.000000
## 837	Urban	Urban	Maharashtra	2	3.000000
## 838	Urban	Urban	Maharashtra	2	2.666667
## 840	Urban	Urban	Maharashtra	2	2.000000
## 841	Urban	Urban	Maharashtra	1	2.000000
## 842	Rural	Rural	Rajasthan	2	3.333333
## 843	Urban	Urban	Maharashtra	2	3.666667
## 844	Rural	Rural	Rajasthan	4	3.333333
## 845	Urban	Urban	Maharashtra	2	2.666667
## 846	Rural	Rural	Rajasthan	2	3.000000
## 847	Rural	Rural	Rajasthan	2	3.000000
## 851	Rural	Rural	Rajasthan	2	3.000000
## 853	Rural	Rural	Rajasthan	2	2.666667
## 856	Rural	Rural	Rajasthan	2	3.333333
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## 860	Rural	Rural	Rajasthan	1	2.666667
## 861	Rural	Rural	Rajasthan	2	3.000000
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## 866	Rural	Rural	Rajasthan	2	2.666667
## 868	Rural	Rural	Rajasthan	1	3.333333
## 869	Urban	Urban	Maharashtra	2	2.666667
## 871	Urban	Urban	Maharashtra	2	2.666667
## 873	Rural	Rural	Rajasthan	1	3.333333
## 874	Urban	Urban	Maharashtra	1	3.666667
## 875	Rural	Rural	Rajasthan	1	3.333333
## 876	Urban	Urban	Maharashtra	2	2.333333
## 878	Rural	Rural	Rajasthan	1	3.000000

## 879	Urban Urban	Maharashtra	1	2.666667
## 890	Rural Rural	Rajasthan	3	3.000000
## 891	Rural Rural	Rajasthan	2	3.333333
## 892	Rural Rural	Rajasthan	2	2.666667
## 893	Rural Rural	Rajasthan	2	3.333333
## 894	Rural Rural	Rajasthan	1	3.333333
## 895	Rural Rural	Rajasthan	2	3.000000
## 898	Rural Rural	Rajasthan	2	3.333333
## 902	Rural Rural	Rajasthan	2	3.000000
## 903	Rural Rural	Rajasthan	3	3.000000
## 905	Rural Rural	Rajasthan	2	3.333333
## 906	Urban Urban	Tamil Nadu	1	1.000000
## 911	Rural Rural	Tamil Nadu	2	1.666667
## 913	Rural Rural	Tamil Nadu	3	5.000000
## 925	Urban Urban	Tamil Nadu	1	5.000000
## 946	Urban Urban	Tamil Nadu	2	4.000000
## 949	Urban Urban	Tamil Nadu	3	3.666667
## 951	Rural Rural	Tamil Nadu	2	2.333333
## 965	Rural Rural	Tamil Nadu	2	2.333333
## 973	Urban Urban	Tamil Nadu	1	5.000000
## 974	Urban Urban	Tamil Nadu	3	5.000000
## 975	Urban Urban	Tamil Nadu	3	5.000000
## 980	Rural Rural	Tamil Nadu	2	1.666667
## 982	Rural Rural	Tamil Nadu	3	5.000000
## 994	Urban Urban	Tamil Nadu	1	5.000000
## 1017	Urban Urban	Tamil Nadu	3	3.666667
## 1019	Rural Rural	Tamil Nadu	2	2.333333
## 1033	Rural Rural	Tamil Nadu	2	2.333333
## 1041	Urban Urban	Tamil Nadu	1	5.000000
## 1042	Urban Urban	Tamil Nadu	3	5.000000
## 1043	Urban Urban	Tamil Nadu	3	5.000000
## 1049	Rural Rural	Tamil Nadu	2	4.666667
## 1060	Rural Rural	Tamil Nadu	1	4.666667
## 1061	Urban Urban	Tamil Nadu	2	4.333333
## 1062	Urban Urban	Tamil Nadu	2	5.000000
## 1063	Urban Urban	Tamil Nadu	5	4.666667
## 1067	Urban Urban	Tamil Nadu	6	3.666667
## 1072	Rural Rural	Tamil Nadu	1	3.000000
## 1091	Urban Urban	Tamil Nadu	2	4.000000
## 1097	Urban Urban	Tamil Nadu	2	4.666667
## 1098	Urban Urban	Tamil Nadu	1	4.666667
## 1099	Rural Rural	Tamil Nadu	1	4.333333
##	Egalitarianism_score	Pdevelop	Ndevelop	
## 23	3.666667	1.045459815	1.769719072	
## 25	3.666667	-0.282493791	-1.699694424	
## 28	3.333333	1.576520967	-1.218933846	
## 31	5.000000	0.517387482	0.626561729	
## 33	3.833333	0.551961224	1.950342390	
## 34	3.166667	1.534272222	-0.475925845	
## 36	4.166667	0.710097608	-0.320410643	
## 50	3.666667	1.495394308	-0.092521408	
## 58	3.666667	-0.997129934	1.063385636	
## 60	3.000000	1.618609834	-2.675716118	
## 63	3.666667	1.008689886	1.711038027	

## 64	2.833333	-0.911806162	-0.842142415
## 70	3.166667	-0.775281186	-0.747205372
## 75	3.500000	-0.916863563	1.142275719
## 77	3.500000	0.390913806	1.173147203
## 78	3.333333	-0.963900870	0.947948556
## 81	3.833333	1.252277878	1.293419672
## 84	3.833333	1.643101294	0.228847521
## 85	3.833333	0.758010462	1.981757076
## 92	3.666667	-0.026477715	0.195444573
## 95	3.833333	1.896172432	-0.559621003
## 96	3.666667	1.570520847	-1.929271562
## 97	3.500000	2.212993537	-1.863083335
## 98	3.666667	2.222454252	-0.909756084
## 100	4.000000	-0.232382564	-0.658705411
## 103	3.000000	-1.496695355	0.953834293
## 107	3.166667	-0.127088268	-1.497966960
## 109	3.500000	-0.178629553	0.248646236
## 111	2.333333	-0.474166467	0.698129830
## 112	3.166667	-0.761468332	0.385324238
## 113	3.666667	1.862775970	-0.792848553
## 114	3.166667	1.450633005	-1.371674845
## 115	3.500000	1.184128293	-1.022820483
## 116	4.000000	1.546622989	1.787198363
## 118	3.833333	0.799561860	1.265701873
## 119	3.500000	-1.121329451	-1.435036838
## 123	2.833333	-0.720810299	1.478180468
## 124	2.666667	-0.410926327	1.208553187
## 130	3.666667	1.815778346	1.484755996
## 135	3.166667	1.495040796	2.119015991
## 138	3.666667	1.708733959	0.846341845
## 139	4.333333	-0.906405752	-0.509255621
## 143	4.333333	0.929788818	-1.298156923
## 144	3.833333	1.219501497	1.092091155
## 146	3.333333	0.489262602	0.479783152
## 153	3.000000	1.330800424	0.887395534
## 156	4.333333	1.294932627	1.076401179
## 158	4.666667	0.786009409	0.223399281
## 167	3.500000	1.178693463	0.107913939
## 168	4.166667	0.197139612	-0.266820181
## 169	4.166667	1.159004925	0.615770482
## 170	4.166667	1.310970208	0.673683381
## 171	4.166667	2.025074670	0.598307438
## 172	4.333333	-0.654588806	0.404893543
## 179	3.333333	0.086962373	-0.232730269
## 181	4.833333	0.149472518	-0.892840900
## 184	2.500000	-0.050373162	1.205571090
## 197	3.000000	1.378199447	2.387144894
## 201	4.333333	-0.171352582	1.351928337
## 202	2.666667	-0.772133687	-0.581336877
## 207	3.166667	0.067173180	-0.140018917
## 208	4.166667	-0.160640339	-0.092622019
## 211	3.000000	-1.509892670	-0.278771821
## 214	3.666667	0.321972759	1.108253847
## 216	3.333333	-0.486094831	-0.762906863

## 219	4.000000	-2.063926793	0.123187447
## 220	4.166667	-0.709592982	-1.003446777
## 222	3.666667	0.751559140	-0.280532819
## 223	3.333333	-1.382578361	-0.343411585
## 224	3.666667	0.438745002	0.374899600
## 229	3.666667	-0.221663812	-0.005034919
## 230	2.500000	-1.988681465	0.464498801
## 231	2.833333	-2.016107792	0.332091766
## 232	3.833333	-1.668168401	2.150746501
## 235	4.166667	0.817195362	0.529166944
## 236	2.500000	-0.645848420	-0.416118291
## 243	3.833333	-0.165770613	-0.752647039
## 249	4.166667	1.603508039	-0.876436315
## 251	3.500000	-0.311749610	0.444011786
## 252	3.666667	0.411488091	0.521208926
## 253	4.166667	0.727948157	-1.044167454
## 258	3.666667	1.025690128	2.020944127
## 261	3.500000	-1.127498837	0.212180791
## 262	2.833333	-0.882316401	-0.800369042
## 264	3.666667	-0.176042690	-0.171507654
## 265	3.833333	-1.455994228	1.476404942
## 267	2.666667	-0.747790873	-0.549816711
## 269	3.166667	1.528070368	-0.979562281
## 271	3.833333	1.925368793	0.550887870
## 272	3.000000	-1.250883766	-0.909892336
## 273	3.833333	1.117312077	0.023450313
## 274	2.833333	-0.408640185	-1.166732972
## 275	3.833333	1.161554542	-0.370161517
## 277	3.000000	-0.615404217	-0.361178882
## 278	3.666667	0.048555344	-0.402157753
## 281	3.000000	-0.996327031	-0.920008925
## 284	3.000000	-1.485867847	-0.654016547
## 286	3.833333	-1.148868123	-0.210193297
## 287	3.000000	-1.372156511	0.114997464
## 288	3.666667	-0.845995124	1.712648936
## 291	2.833333	0.488161759	0.228239851
## 293	3.833333	0.086076256	-0.409412816
## 294	3.000000	-0.633495410	-0.552213283
## 295	3.833333	0.159570473	0.853652458
## 297	4.000000	-0.241631827	-0.641444948
## 306	3.666667	1.950174341	2.426926280
## 310	4.333333	0.313308925	0.214874397
## 311	4.166667	1.012440538	0.560376875
## 312	4.000000	0.303172464	-0.223493737
## 321	3.666667	-0.086887281	0.312852336
## 329	2.833333	-0.726329595	-0.287126176
## 330	3.666667	-1.126737695	2.542704799
## 332	3.000000	-0.765987829	-0.972421417
## 334	3.333333	0.192772841	0.431160890
## 335	3.000000	-0.753615461	-0.205944327
## 337	3.166667	-1.085333873	-0.255342898
## 342	2.833333	-0.933435150	-0.680798233
## 344	3.833333	0.434877119	-0.049491753
## 346	3.000000	-1.062755577	-0.692604487

## 349	3.333333	-0.346403090	-0.487894925
## 352	4.833333	0.590427163	0.184396551
## 353	3.333333	-0.850464278	-0.184808515
## 362	2.833333	-1.313804234	0.240079660
## 363	3.166667	-1.005493373	0.214892303
## 377	4.166667	-0.441729310	0.980594802
## 378	3.500000	-0.458288483	0.384095593
## 379	3.500000	-0.458288483	0.384095593
## 383	3.666667	-0.455864012	0.040066751
## 384	3.500000	-0.500973281	1.128438788
## 386	2.666667	-0.443114822	0.534873214
## 389	3.666667	-1.071784574	0.550171386
## 392	3.500000	-0.452693124	1.636076369
## 399	2.833333	-1.054637780	-0.523094878
## 400	3.333333	-1.236393061	-0.690871691
## 403	3.500000	-0.750950472	-0.069396534
## 405	2.666667	-1.103704833	-0.261959739
## 407	3.000000	-1.185639135	0.338133789
## 408	3.333333	0.905909254	1.072478263
## 409	3.166667	-1.027333496	-0.445999053
## 411	3.166667	-0.826093042	-0.661232041
## 412	3.333333	0.113377961	-0.297199550
## 413	3.333333	-0.639791844	-0.169652412
## 416	3.166667	-1.250730247	-0.175587586
## 417	3.166667	0.272976170	0.320726009
## 418	3.666667	0.409981301	0.089382262
## 419	2.833333	-0.962848050	-0.635564246
## 420	3.166667	-0.783595297	-1.336817148
## 421	3.833333	-0.316426431	-0.217214977
## 422	3.000000	0.225315450	1.021443282
## 423	2.833333	-0.958016256	-0.192308708
## 424	2.833333	-0.958016256	-0.192308708
## 435	3.500000	0.564048831	0.284559150
## 437	3.333333	-0.877855152	0.117864157
## 441	3.166667	-0.713330319	-0.728805449
## 442	2.833333	-0.910920027	-0.546645790
## 443	2.833333	-0.738042883	-0.562709716
## 444	3.000000	-1.266450967	0.050369826
## 445	3.666667	-0.437366989	-0.533152101
## 446	3.333333	-0.710660352	-0.295788151
## 447	3.000000	-0.937004412	-0.391855418
## 448	3.833333	-0.071615585	0.125260264
## 449	2.833333	-1.146075523	-0.022279557
## 450	3.833333	-1.003535488	-0.185911193
## 453	4.000000	-0.620853799	0.659681193
## 454	3.666667	-0.260977865	0.889004178
## 457	3.333333	0.138971075	0.058306413
## 464	3.666667	0.705231748	2.293945245
## 466	4.000000	0.535743257	-0.381434627
## 468	3.833333	-0.331007337	-0.190581796
## 469	4.000000	-0.564200711	0.169632351
## 471	3.666667	-0.370831036	0.187605586
## 472	3.000000	0.895999613	-1.249009027
## 473	3.833333	1.100887520	-0.507735240

## 483	3.333333	0.452770501	-0.194544404
## 485	3.333333	-0.916674687	-0.953026590
## 487	3.833333	-0.577681239	0.744162952
## 489	2.833333	-0.865492744	-0.831507585
## 492	3.166667	-0.782189227	-0.548385051
## 495	2.666667	-0.902789522	-1.020329571
## 498	2.666667	-0.854534413	-0.486654389
## 502	2.500000	-0.699019849	-0.520188154
## 503	3.333333	-0.300160552	0.438170500
## 504	3.333333	0.661313497	-0.908405888
## 505	3.166667	-0.627936944	-1.059797291
## 507	3.000000	0.108989533	-0.011316520
## 508	3.000000	0.125607896	-0.393269172
## 509	3.166667	-0.550339870	-0.169505690
## 510	3.666667	0.534263315	-0.232746061
## 511	3.333333	-1.634306326	1.298515159
## 512	3.333333	-1.903320917	1.485419968
## 517	4.333333	0.588591383	1.056371334
## 523	3.666667	1.782962293	2.462678590
## 525	3.666667	2.694387722	0.757173277
## 530	3.333333	0.132966599	-0.680672420
## 536	3.166667	0.706157518	-0.628677597
## 540	3.666667	-0.828760179	1.503842455
## 541	3.333333	0.833085442	-1.052208132
## 543	3.166667	-0.418242757	1.611627110
## 549	3.666667	-0.762016893	1.282531661
## 550	3.666667	-0.228374436	1.197761909
## 552	3.666667	1.684342296	2.294527266
## 560	2.500000	-0.167909588	-0.637983900
## 563	3.833333	-1.294992769	-0.822247857
## 564	3.833333	-1.294992769	-0.822247857
## 566	4.000000	-0.060038149	-0.804639404
## 567	3.833333	2.043599830	-0.115496435
## 569	3.166667	0.615723376	-0.979702959
## 570	3.833333	-0.244304588	0.097333449
## 574	3.000000	-1.206032143	0.216033212
## 575	3.166667	0.615511633	0.412605862
## 576	3.333333	0.246701318	-0.417537221
## 577	3.166667	-0.382279869	-0.328114522
## 578	3.666667	-0.293189950	1.122091183
## 579	3.500000	0.464384315	-0.200184921
## 580	3.000000	-0.930216494	-1.032209705
## 581	3.833333	0.551612673	-0.372714404
## 584	3.500000	0.182031537	0.558541110
## 585	3.000000	-1.161583271	-0.382339740
## 589	2.666667	-0.708486508	-0.510747851
## 591	3.666667	-0.216178832	0.190517218
## 592	3.000000	-0.695039215	-0.827386201
## 594	3.166667	-1.053983028	-0.489914508
## 595	2.833333	-0.090944402	0.765933046
## 596	3.333333	0.016398604	0.071635903
## 597	3.000000	-0.437926968	-0.812304000
## 599	3.833333	1.663345072	0.395868813
## 600	3.666667	1.187899945	0.161850427

## 610	3.833333	1.421431909	1.036792965
## 612	3.000000	-0.083287495	-0.172125753
## 614	3.000000	-0.141348186	0.253081702
## 615	3.000000	-0.015756794	0.123961979
## 617	2.666667	-0.527889182	0.604799980
## 618	3.833333	0.396391635	0.228364047
## 620	3.500000	0.374909810	-0.897975294
## 623	3.833333	-0.297774568	0.545479767
## 632	3.333333	0.641057050	1.636424650
## 637	4.333333	2.805224168	0.506203972
## 639	3.666667	1.727224944	2.474596027
## 640	3.666667	2.809284673	0.027955063
## 649	3.333333	0.457996518	1.365558415
## 651	3.666667	1.727224944	2.474596027
## 655	3.166667	-0.448253406	-0.245348582
## 656	2.666667	-0.925856938	-0.503296353
## 659	2.833333	-0.806326286	-0.999925160
## 660	3.666667	1.628916251	0.117905034
## 662	3.000000	-0.212157363	-0.377434460
## 665	3.666667	-1.114963860	-0.780172597
## 667	2.500000	-0.779521198	-1.070002326
## 669	3.000000	-0.252922295	-0.064728852
## 670	3.500000	0.267650609	0.736030291
## 674	3.333333	-1.143947435	-0.125838539
## 676	3.000000	-0.697857422	-0.068084319
## 682	3.333333	-0.002489752	0.511423148
## 684	3.333333	-0.675610506	-0.178903872
## 685	3.333333	-0.426425013	-0.226391671
## 692	3.666667	1.950174341	2.426926280
## 700	3.666667	0.189865888	-1.028291069
## 703	3.333333	-0.937976780	1.306657755
## 704	3.333333	-0.201544517	1.486851701
## 709	3.833333	2.011784548	0.206163118
## 711	3.666667	-0.404457966	1.620863851
## 716	3.333333	0.646371878	-0.481319077
## 719	3.666667	0.504366580	0.809990468
## 722	3.333333	0.267650609	0.736030291
## 724	3.666667	0.292435161	-0.234738350
## 726	2.666667	-1.188560279	-0.574332941
## 728	2.666667	-1.026452197	-0.195773246
## 729	2.666667	-0.649483489	-0.497406950
## 730	3.166667	-1.273844661	-0.653745277
## 731	3.500000	0.449588256	-0.270669496
## 732	2.833333	-1.172489945	-0.527361846
## 733	3.500000	0.252424273	0.613103455
## 734	2.666667	-1.290075437	-0.257057625
## 735	3.166667	-0.840806761	-0.516801595
## 736	3.166667	-0.694418630	-0.999124657
## 737	2.833333	-0.934771484	-0.825165981
## 738	2.833333	-0.543044515	-0.375800561
## 739	3.500000	-1.037955419	-0.851631469
## 740	3.500000	-1.037955419	-0.851631469
## 746	3.500000	0.230528561	0.935170775
## 754	3.333333	-1.161078946	-0.859625640

## 755	3.333333	-1.271915392	-0.608656335
## 757	3.000000	-1.070008553	-0.514662094
## 758	3.000000	-1.070008553	-0.514662094
## 760	2.666667	-0.831101609	-0.449379010
## 761	2.666667	-0.831101609	-0.449379010
## 762	2.833333	-0.713628100	-0.748135810
## 763	2.500000	-0.621662364	-0.535044216
## 764	2.666667	-1.232180592	-0.139667996
## 765	3.166667	-0.398403597	-0.843054012
## 766	3.500000	0.106405851	0.455817023
## 767	2.833333	-1.234166203	-0.737057408
## 768	3.000000	-0.913643969	-0.732055901
## 769	3.833333	0.210199892	0.500191102
## 770	3.166667	-1.191070342	-0.615896373
## 771	2.833333	-0.879682738	-0.520586413
## 772	3.166667	0.226799005	0.844204568
## 773	2.666667	-0.766746381	-0.390607609
## 774	3.500000	0.185305926	0.488389375
## 776	3.666667	0.231156258	0.666427052
## 778	3.333333	-0.156616425	0.519917810
## 780	3.666667	0.357624818	0.768383149
## 784	3.833333	0.126414700	0.960894805
## 785	3.500000	0.076290723	0.954117950
## 786	3.333333	0.448292351	0.823884717
## 793	3.500000	0.314893331	0.844913982
## 794	3.166667	-0.456382519	-0.190422989
## 796	3.833333	0.484562391	-0.229726484
## 797	3.500000	0.567794597	-0.240258932
## 798	2.666667	-0.687408048	-0.899979303
## 799	2.500000	-1.221260815	-0.016166269
## 801	3.000000	-0.918598096	-0.465227043
## 802	3.166667	-0.514403263	0.336627362
## 803	3.166667	-0.437750333	0.535413051
## 804	3.333333	-0.351649028	-0.004352780
## 805	3.500000	-0.041031925	-0.668410104
## 806	3.500000	-0.622059459	-0.102615562
## 807	3.000000	-1.466091913	-0.126861614
## 808	2.500000	-0.377062826	0.250005164
## 809	2.500000	-0.377062826	0.250005164
## 810	3.000000	-0.061000270	-0.223098968
## 811	3.000000	-0.061000270	-0.223098968
## 816	3.333333	0.306781943	0.769151140
## 819	3.500000	0.184366639	0.960745570
## 820	3.500000	0.270204708	0.803381971
## 821	3.500000	-0.553064357	1.135646233
## 825	2.666667	-0.260411572	-0.533938676
## 826	2.666667	-0.260411572	-0.533938676
## 828	2.833333	-1.411001304	-0.478245426
## 829	2.833333	-1.411001304	-0.478245426
## 830	3.500000	0.306781943	0.769151140
## 831	2.500000	-1.046508579	-0.393714416
## 834	2.666667	-1.013986890	-0.875502892
## 835	2.833333	-1.222945595	-0.462969413
## 836	3.000000	-0.620762826	-0.888962433

## 837	3.166667	-0.668931293	-0.220308675
## 838	3.166667	-0.674236001	-0.821999166
## 840	3.000000	-1.195761802	0.063142002
## 841	2.833333	-1.031513868	-0.634756688
## 842	3.333333	0.246832097	0.857558436
## 843	3.000000	-0.737948378	-0.809629966
## 844	3.500000	0.274850818	0.804465843
## 845	3.166667	-0.829071943	0.093411793
## 846	3.666667	-0.106681385	0.836374690
## 847	3.500000	0.250989297	0.849736274
## 851	3.500000	0.226799005	0.844204568
## 853	3.500000	0.059223008	1.102063924
## 856	3.500000	0.164964782	0.808503985
## 857	3.333333	0.206787307	0.764436926
## 858	3.500000	0.254010895	1.036518205
## 859	3.500000	-0.108677686	0.883135967
## 860	3.500000	0.230598319	0.575137358
## 861	3.500000	-0.112485305	1.435791050
## 864	3.333333	0.179959991	0.839227341
## 866	3.500000	0.151526346	0.826717810
## 868	3.666667	0.262320076	0.845541880
## 869	3.500000	-0.425041563	0.783355637
## 871	3.500000	-0.569608618	0.758275550
## 873	3.500000	0.174040662	0.873214526
## 874	3.000000	-0.846572311	0.541284213
## 875	3.333333	0.112604055	0.958046696
## 876	3.000000	-0.841631707	-0.764688390
## 878	3.500000	-0.304251786	1.004144471
## 879	2.666667	-1.049493715	-0.436419684
## 890	3.500000	-0.298218800	0.912099600
## 891	3.666667	-0.323475788	0.842168187
## 892	3.500000	0.243058928	0.839647924
## 893	3.500000	0.174040662	0.873214526
## 894	3.500000	-0.146199905	0.931065006
## 895	3.500000	0.093130379	0.803237926
## 898	3.500000	0.174040662	0.873214526
## 902	3.333333	0.019447182	1.424858025
## 903	3.500000	0.173113317	0.728184499
## 905	3.500000	0.298972840	0.808807658
## 906	4.000000	0.579809944	-2.703821733
## 911	3.666667	-0.819171279	-2.278053583
## 913	4.333333	1.027009827	1.656352082
## 925	3.166667	1.982407615	-3.001036811
## 946	3.000000	1.721797548	-0.701788284
## 949	4.333333	2.183442342	-0.998031275
## 951	3.666667	1.303819480	-3.038528973
## 965	4.333333	0.711530765	-2.559033022
## 973	4.166667	2.078664072	-1.084085035
## 974	5.000000	2.363917947	-2.730805653
## 975	3.833333	1.779066194	-1.118156067
## 980	3.666667	-0.819171279	-2.278053583
## 982	4.333333	1.027009827	1.656352082
## 994	3.166667	1.982407615	-3.001036811
## 1017	4.333333	2.183442342	-0.998031275

```

## 1019          3.666667  1.303819480 -3.038528973
## 1033          4.333333  0.711530765 -2.559033022
## 1041          4.166667  2.078664072 -1.084085035
## 1042          5.000000  2.363917947 -2.730805653
## 1043          3.833333  1.779066194 -1.118156067
## 1049          4.333333  1.923188471 -0.650813859
## 1060          4.166667  2.202721870 -1.065333897
## 1061          5.000000  2.158946779 -2.107976820
## 1062          4.166667  1.396319284 -1.227139391
## 1063          3.666667  0.761946143 -0.824954728
## 1067          3.500000  0.569878081 -0.395965803
## 1072          2.333333  1.791651925 -3.025672494
## 1091          4.000000  1.704801662 -1.453378091
## 1097          3.833333  1.468602228 -0.106163255
## 1098          4.166667  2.168622972 -1.059798692
## 1099          4.500000  1.169172117 -0.718612866

##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##      age + State + Communitarianism_score + Egalitarianism_score,
##      data = fascale_scores2)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.70020 -0.62202  0.05932  0.62451  2.17332
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    1.501507   0.397501   3.777 0.000183 ***
## Uppercaste     -0.041187   0.107319  -0.384 0.701350
## Male           -0.110819   0.117517  -0.943 0.346255
## Hindu          -0.025261   0.118474  -0.213 0.831263
## UrbanUrban     -0.001038   0.112365  -0.009 0.992633
## age            0.053923   0.052034   1.036 0.300695
## StateRajasthan  0.494089   0.164546   3.003 0.002847 **
## StateTamil Nadu  1.029470   0.207719   4.956 1.07e-06 ***
## StateUttar Pradesh 0.006332   0.191768   0.033 0.973676
## StateWest Bengal  1.165830   0.213038   5.472 7.92e-08 ***
## Communitarianism_score 0.156988   0.065103   2.411 0.016350 *
## Egalitarianism_score  0.287132   0.110884   2.589 0.009969 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.941 on 393 degrees of freedom
## Multiple R-squared:  0.2605, Adjusted R-squared:  0.2398
## F-statistic: 12.58 on 11 and 393 DF, p-value: < 2.2e-16
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##      age + State + Pdevelop + Ndevelop + Communitarianism_score +
##      Egalitarianism_score, data = fascale_scores2)
##
## Residuals:

```

```

##      Min      1Q  Median      3Q      Max
## -2.5640 -0.6249  0.0793  0.5703  2.4546
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      2.28323    0.45577   5.010 8.28e-07 ***
## Uppercaste      -0.04020    0.10530  -0.382 0.702852
## Male            -0.09322    0.11554  -0.807 0.420254
## Hindu             0.01969    0.11691   0.168 0.866367
## UrbanUrban       0.02079    0.11061   0.188 0.851047
## age              0.04119    0.05120   0.805 0.421596
## StateRajasthan   0.19357    0.18009   1.075 0.283114
## StateTamil Nadu  1.21752    0.24597   4.950 1.11e-06 ***
## StateUttar Pradesh -0.06040    0.19231  -0.314 0.753624
## StateWest Bengal  0.97568    0.22520   4.333 1.88e-05 ***
## Pdevelop         0.15079    0.07269   2.074 0.038690 *
## Ndevelop         0.22783    0.05934   3.840 0.000144 ***
## Communitarianism_score 0.06134    0.06987   0.878 0.380519
## Egalitarianism_score 0.16097    0.11437   1.407 0.160103
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9231 on 391 degrees of freedom
## Multiple R-squared:  0.2921, Adjusted R-squared:  0.2685
## F-statistic: 12.41 on 13 and 391 DF,  p-value: < 2.2e-16
##
## Call:
## lm(formula = Risky_Nuclear ~ Uppercaste + Male + Hindu + Urban +
##      age + State + Pdevelop + Ndevelop, data = fascale_scores2)
##
## Residuals:
##      Min      1Q  Median      3Q      Max
## -2.64733 -0.63889  0.07378  0.59203  2.58977
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      3.01141    0.17113  17.597 < 2e-16 ***
## Uppercaste      -0.04190    0.10535  -0.398 0.69105
## Male            -0.08447    0.11542  -0.732 0.46474
## Hindu             0.02680    0.11683   0.229 0.81872
## UrbanUrban       0.03363    0.11047   0.304 0.76095
## age              0.03792    0.05104   0.743 0.45796
## StateRajasthan   0.18645    0.18026   1.034 0.30160
## StateTamil Nadu  1.32248    0.23852   5.544 5.42e-08 ***
## StateUttar Pradesh -0.01107    0.18945  -0.058 0.95342
## StateWest Bengal  1.01748    0.22306   4.561 6.80e-06 ***
## Pdevelop         0.20730    0.06389   3.245 0.00128 **
## Ndevelop         0.25614    0.05691   4.500 8.95e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9242 on 393 degrees of freedom
## Multiple R-squared:  0.2866, Adjusted R-squared:  0.2667

```

```
## F-statistic: 14.36 on 11 and 393 DF,  p-value: < 2.2e-16
```

graphs for lm attempts

```
## SIMPLE SLOPES ANALYSIS
```

```
##
```

```
## Slope of Ndevelop when State = West Bengal:
```

```
##
```

```
##   Est.   S.E.   t val.     p
```

```
##  -----
```

```
##   0.23   0.06    3.84    0.00
```

```
##
```

```
## Slope of Ndevelop when State = Uttar Pradesh:
```

```
##
```

```
##   Est.   S.E.   t val.     p
```

```
##  -----
```

```
##   0.23   0.06    3.84    0.00
```

```
##
```

```
## Slope of Ndevelop when State = Tamil Nadu:
```

```
##
```

```
##   Est.   S.E.   t val.     p
```

```
##  -----
```

```
##   0.23   0.06    3.84    0.00
```

```
##
```

```
## Slope of Ndevelop when State = Rajasthan:
```

```
##
```

```
##   Est.   S.E.   t val.     p
```

```
##  -----
```

```
##   0.23   0.06    3.84    0.00
```

```
##
```

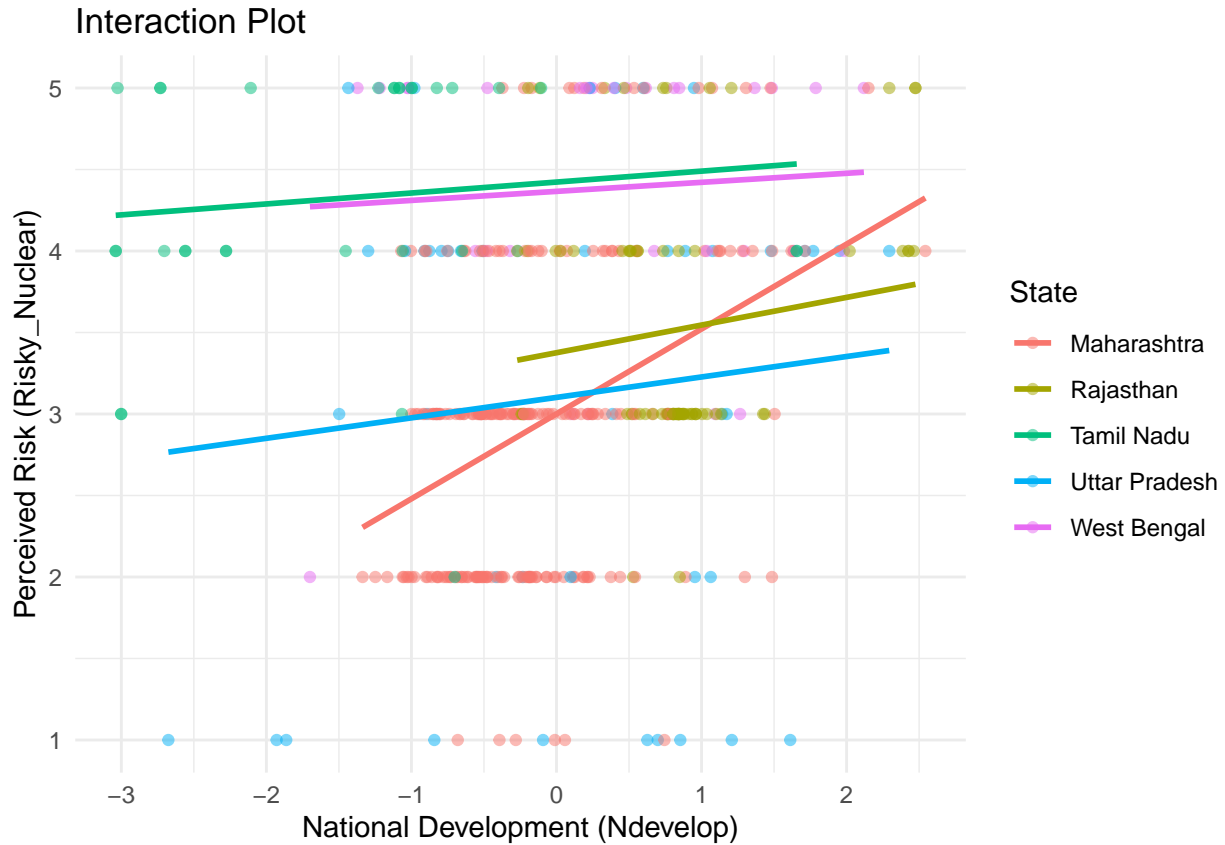
```
## Slope of Ndevelop when State = Maharashtra:
```

```
##
```

```
##   Est.   S.E.   t val.     p
```

```
##  -----
```

```
##   0.23   0.06    3.84    0.00
```



```
##          GVIF Df GVIF^(1/(2*Df))
## Uppercaste 1.072628 1      1.035678
## Male       1.455901 1      1.206607
## Hindu      1.097669 1      1.047697
## Urban      1.445271 1      1.202194
## age        1.127898 1      1.062026
## State      5.433827 4      1.235629
## Pdevelop   2.635311 1      1.623364
## Ndevelop   1.763451 1      1.327950
## KahanS     4.073289 1      2.018239
## KahanH     3.967258 1      1.991798

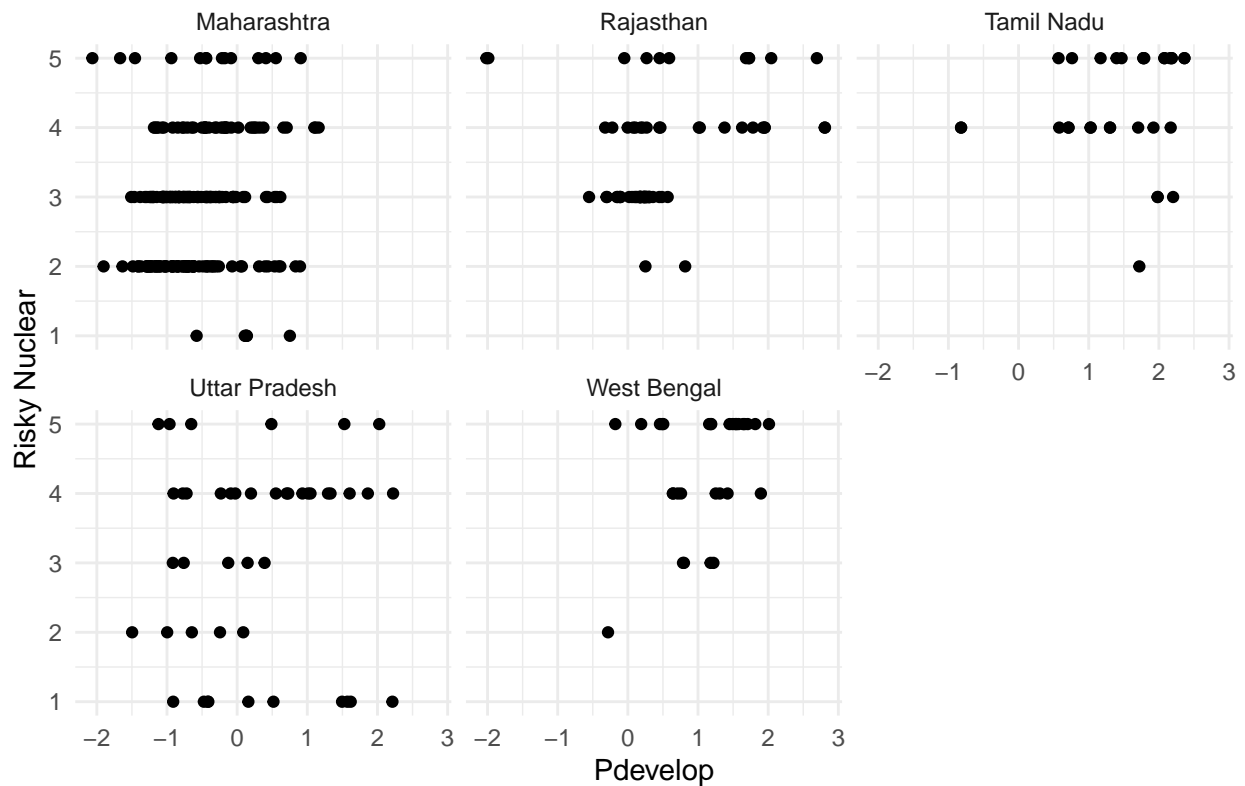
## 'data.frame':  405 obs. of  48 variables:
## $ K_IINTRFER      : num  5 2 2 5 4 1 2 1 5 5 ...
## $ K_IPRIVACY      : num  5 4 2 1 1 4 2 1 1 5 ...
## $ K_SHARM          : num  1 5 5 5 5 2 4 5 2 5 ...
## $ K_IPROTECT      : num  1 2 1 5 1 2 3 1 3 5 ...
## $ K_SLIMCHOI      : num  5 5 5 5 5 5 3 1 1 5 ...
## $ K_SPROTECT      : num  1 4 5 5 5 5 3 5 5 5 ...
## $ K_HEQUAL        : num  1 1 1 5 2 2 5 1 4 1 ...
## $ K_HREVDIS1      : num  1 2 1 5 1 2 2 1 4 1 ...
## $ K_EDISCRIM      : num  5 5 4 5 5 4 5 5 3 5 ...
## $ K_ERADEQ1       : num  5 5 5 5 5 4 4 5 4 5 ...
## $ K_EWEALTH       : num  5 4 5 5 5 4 4 5 5 1 ...
## $ K_ERADEQ2       : num  5 5 4 5 5 3 5 5 2 5 ...
## $ Risky_Nuclear   : num  4 2 5 1 4 5 4 1 2 1 ...
## $ WEALTHLIM       : num  1 2 2 5 1 5 4 5 5 5 ...
```

```

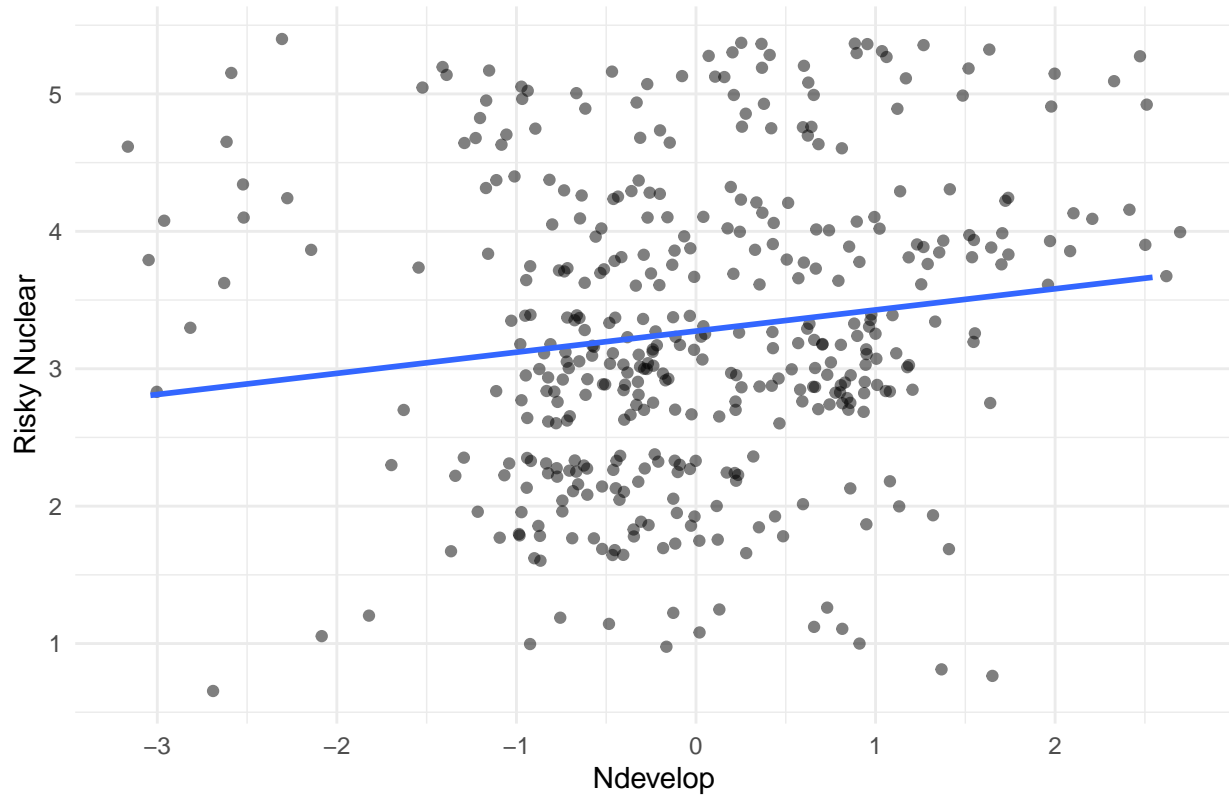
## $ MECHANISATION : num 5 5 5 5 5 5 4 5 2 5 ...
## $ DECISIONDECEN : num 5 5 4 1 5 4 2 5 3 1 ...
## $ DECISIONCEN : num 1 1 2 1 1 2 3 1 2 1 ...
## $ INDUSTRYLARGE : num 1 1 4 1 1 2 2 1 3 1 ...
## $ INDUSTRYSMALL : num 5 5 5 1 5 4 4 1 3 5 ...
## $ ECONOMYGLOBAL : num 1 2 5 2 1 1 3 1 4 4 ...
## $ ECONOMYLOCAL : num 1 4 1 2 1 5 4 1 4 1 ...
## $ ENVOVERDEV : num 1 2 5 5 1 2 5 4 3 5 ...
## $ DEVOVERENV : num 4 2 1 1 1 5 3 2 3 5 ...
## $ OWNERPVT : num 1 4 2 4 1 1 4 5 4 5 ...
## $ OWNERNOREG : num 1 4 2 1 2 2 3 1 4 2 ...
## $ OWNERPUB : num 1 2 1 5 4 4 3 5 2 5 ...
## $ OWNERREG : num 5 5 4 5 5 5 3 4 5 5 ...
## $ DISPLACENUCLEAR: num 4 1 5 1 3 4 4 5 1 1 ...
## $ POLLUTENUCLEAR : num 5 2 5 5 5 2 4 5 4 5 ...
## $ HEALTHNUCLEAR : num 5 1 5 5 4 5 5 5 2 5 ...
## $ JOBSNUCLEAR : num 4 1 5 1 4 2 3 1 4 1 ...
## $ BEAUTYNUCLEAR : num 5 2 5 5 3 5 4 5 3 5 ...
## $ PRIDENUCLEAR : num 4 1 2 5 4 2 3 1 5 1 ...
## $ NPRIDENUCLEAR : num 5 1 2 4 5 1 3 5 3 1 ...
## $ DEVNUCLEAR : num 5 1 2 4 5 4 3 5 5 1 ...
## $ PROSPERNUCLEAR : num 5 4 4 1 5 2 3 1 5 1 ...
## $ RELYNUCLEAR : num 4 1 1 5 5 5 4 1 3 1 ...
## $ Uppercaste : num 0 0 0 0 0 0 1 0 0 0 ...
## $ Male : num 0 1 1 1 1 1 1 1 1 1 ...
## $ Hindu : num 1 1 0 1 1 1 0 1 1 1 ...
## $ urban_rural : chr "Rural" "Rural" "Rural" "Rural" ...
## $ Urban : Factor w/ 2 levels "Rural","Urban": 1 1 1 1 1 1 1 1 1 1 ...
## $ State : Factor w/ 5 levels "Maharashtra",...: 4 5 5 4 4 5 5 4 4 4 ...
## $ age : num 3 3 4 2 2 1 5 3 3 1 ...
## $ KahanS : num -0.0649 1.4437 1.5366 1.4377 1.6015 ...
## $ KahanH : num -0.952 -1.228 -1.09 -0.834 -1.259 ...
## $ Pdevelop : num 1.045 -0.282 1.577 0.517 0.552 ...
## $ Ndevelop : num 1.77 -1.7 -1.219 0.627 1.95 ...

```

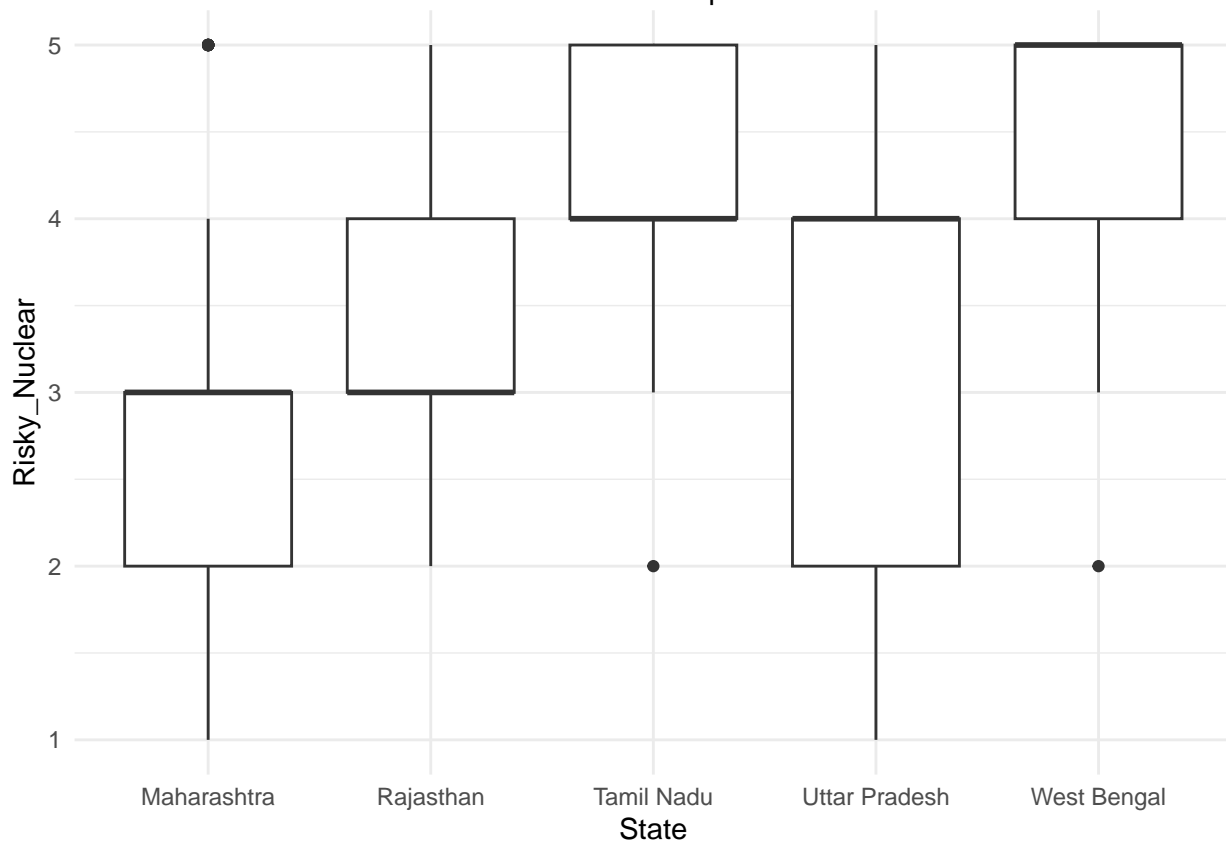
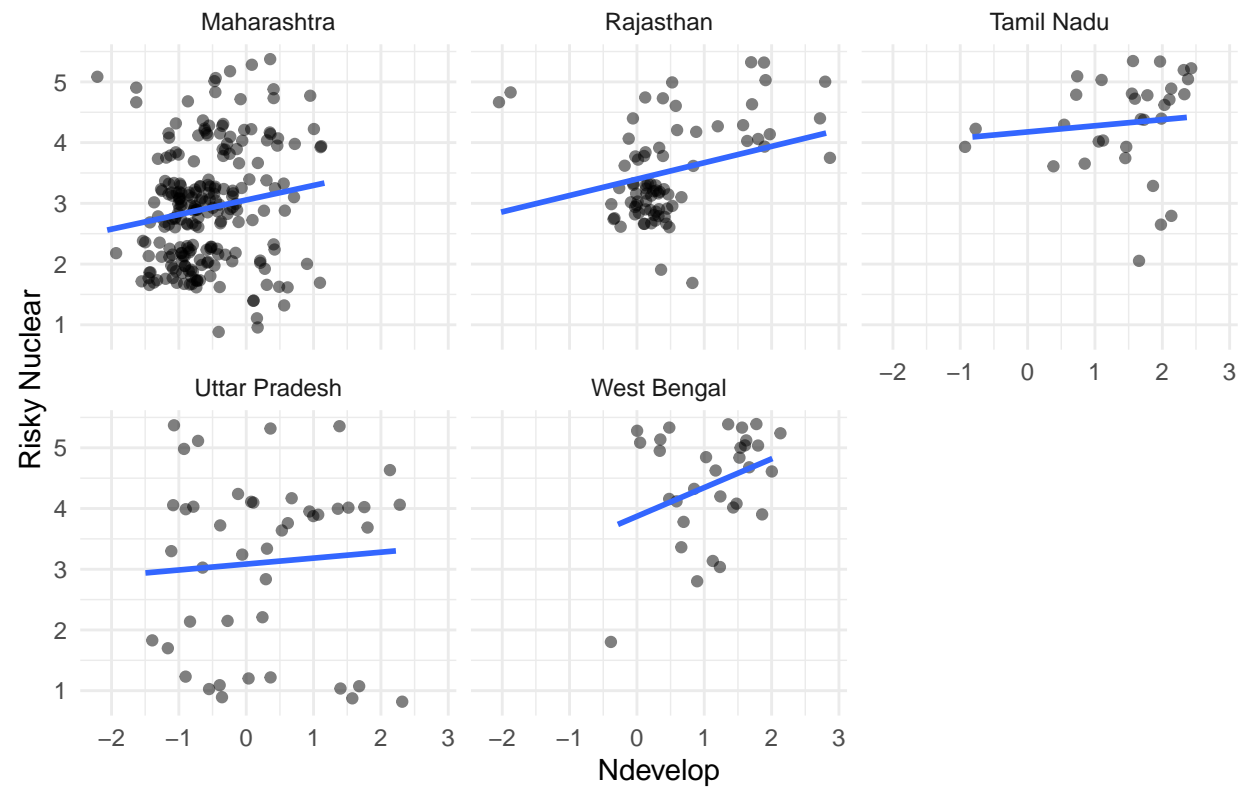
Risky Nuclear vs Pdevelop by State



Relationship between Ndevelop and Risky Nuclear



Relationship between Ndevelop and Risky Nuclear



H4 : Economic and Political Values will be important in explaining perceived risk from Nuclear Energy

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Tue, Jan 30, 2024 - 11:21:41

Table 7: Results from 2 linear regression models		
	<i>Dependent variable:</i>	
	Risky_Nuclear	
	(1)	(2)
Uppercaste	−0.029 (0.107)	−0.035 (0.105)
Male	−0.102 (0.117)	−0.085 (0.116)
Hindu	−0.025 (0.118)	0.025 (0.117)
UrbanUrban	−0.003 (0.112)	0.021 (0.111)
age	0.050 (0.052)	0.036 (0.051)
StateRajasthan	0.445*** (0.169)	0.186 (0.181)
StateTamil Nadu	1.141*** (0.197)	1.282*** (0.240)
StateUttar Pradesh	−0.006 (0.192)	−0.061 (0.193)
StateWest Bengal	1.120*** (0.216)	0.965*** (0.226)
Pdevelop		0.159** (0.075)
Ndevelop		0.230*** (0.061)
KahanS	0.202* (0.110)	0.120 (0.111)
KahanH	−0.077 (0.102)	0.012 (0.102)
Constant	3.008*** (0.173)	3.033*** (0.172)
Observations	405	405
R ²	0.260	0.290
Adjusted R ²	0.240	0.267
Residual Std. Error	0.941 (df = 393)	0.924 (df = 391)
F Statistic	12.573*** (df = 11; 393)	12.298*** (df = 13; 391)
<i>Note:</i>		
*p<0.1; **p<0.05; ***p<0.01		

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Tue, Jan 30, 2024 - 11:21:42

Table 8: Results from 2 linear regression models

	<i>Dependent variable:</i>	
	Risky_Nuclear	
	(1)	(2)
Uppercaste	-0.042 (0.105)	-0.035 (0.105)
Male	-0.084 (0.115)	-0.085 (0.116)
Hindu	0.027 (0.117)	0.025 (0.117)
UrbanUrban	0.034 (0.110)	0.021 (0.111)
age	0.038 (0.051)	0.036 (0.051)
StateRajasthan	0.186 (0.180)	0.186 (0.181)
StateTamil Nadu	1.322*** (0.239)	1.282*** (0.240)
StateUttar Pradesh	-0.011 (0.189)	-0.061 (0.193)
StateWest Bengal	1.017*** (0.223)	0.965*** (0.226)
Pdevelop	0.207*** (0.064)	0.159** (0.075)
Ndevelop	0.256*** (0.057)	0.230*** (0.061)
KahanS		0.120 (0.111)
KahanH		0.012 (0.102)
Constant	3.011*** (0.171)	3.033*** (0.172)
Observations	405	405
R ²	0.287	0.290
Adjusted R ²	0.267	0.267
Residual Std. Error	0.924 (df = 393)	0.924 (df = 391)
F Statistic	14.356*** (df = 11; 393)	12.298*** (df = 13; 391)
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01

Logistic Regression

Table 9: Odds Ratio for Perceived Risk from Nuclear Energy

	Odds Ratio	2.5 %	97.5 %	p value
Uppercaste	-0.151	-0.561	0.258	0.469
Male	-0.179	-0.627	0.267	0.432
Hindu	0.008	-0.449	0.466	0.971
UrbanUrban	0.036	-0.397	0.469	0.870
age	0.082	-0.121	0.287	0.429
KahanS	0.276	-0.188	0.738	0.243
KahanH	0.063	-0.351	0.477	0.765
Pdevelop	0.445	0.123	0.770	0.007
Ndevelop	0.447	0.186	0.712	0.001
StateRajasthan	0.164	-0.554	0.883	0.655
StateTamil Nadu	2.538	1.508	3.605	0.000
StateUttar Pradesh	-0.003	-0.834	0.822	0.994
StateWest Bengal	1.947	0.999	2.924	0.000

Appendix: Characteristics of the Sample

The following graph shows that distribution of different demographic variables in our sample of 2,160 from the combined dataset from both surveys. The percentages are rounded off to whole numbers.

