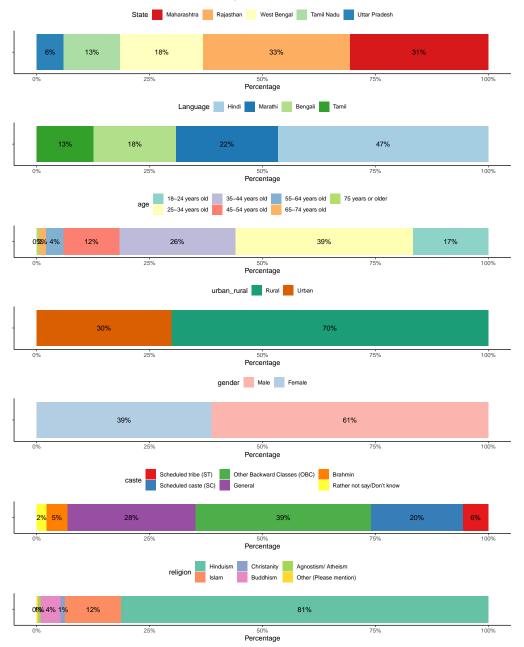
LPG v/s Firewood

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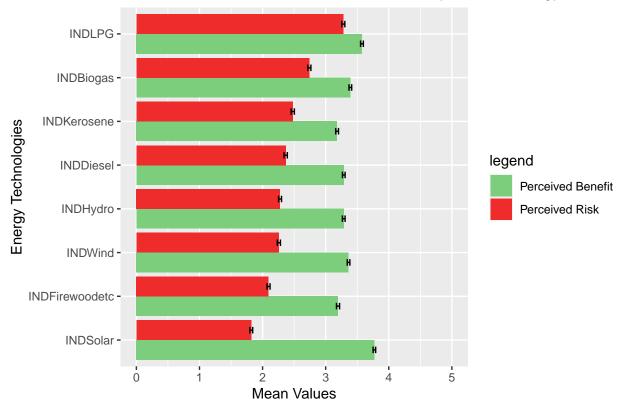
Characteristics of the Sample

The following graph shows that distribution of different demographic variables in our sample of 2,160 from the combined dataset from both surveys.



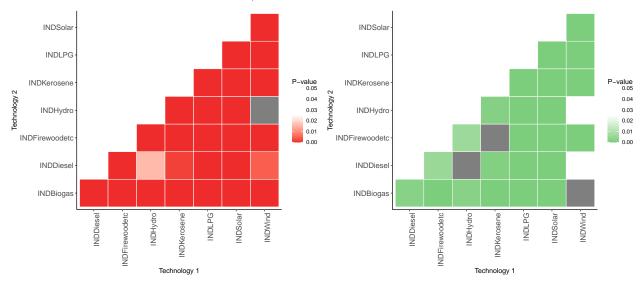
Perceived risk and Perceived Benefit in comparison

Perceived risk and benefit from individually owned energy technolc



T-tests

Pairwise T-test: Mean perceived risk and mean perceived benefit (all individually owned energy technologies)



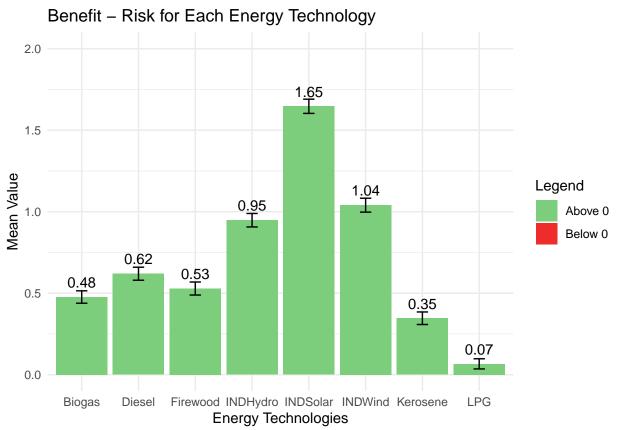
Paired T-test: Comparing mean perceived risk and mean perceived benefit for each technology.

Null hypothesis (H0): The mean difference between perceived risk and perceived benefit from each technology is zero. All p values are less than 0.05 suggesting that the differences observed in the bargraph are statistically significant.

```
## $INDBiogas
  [1] 1.726684e-68
## $INDDiesel
##
   [1] 1.524978e-108
##
## $INDFirewoodetc
## [1] 2.751717e-165
##
## $INDHydro
##
   [1] 3.355493e-143
##
## $INDKerosene
## [1] 1.023315e-81
##
## $INDLPG
   [1] 2.125422e-16
##
## $INDSolar
##
   [1] 0
##
## $INDWind
## [1] 1.799622e-128
```

Acceptance = Perceived Benefit - Perceived Risk

 $Graph\ representing\ a\ combined\ acceptance\ scale\ obtained\ by\ subtracting\ perceived\ risk\ from\ perceived\ benefit\ for\ each\ respondent$



Linear Regression Models

${\bf Firewood: demographic\ variables}$

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Fri, Aug 18, 2023 - 12:22:51

Table 1: Results from 2 linear regression models

	Dependent variable:			
	Risky_INDFirewoodetc			
	(1)	(2)		
Uppercaste	-0.077	-0.181***		
• •	(0.050)	(0.047)		
Male	-0.014	-0.001		
	(0.047)	(0.044)		
Hindu	0.011	0.214^{***}		
	(0.058)	(0.055)		
urban_ruralUrban	0.534^{***}	0.146***		
	(0.051)	(0.056)		
age25-34 years old	-0.163**	-0.073		
v	(0.067)	(0.061)		
age35-44 years old	-0.440***	-0.228***		
U V	(0.073)	(0.069)		
age45-54 years old	-0.428***	-0.211**		
J. J	(0.088)	(0.082)		
age55-64 years old	-0.406***	-0.184		
ageod of jours of	(0.130)	(0.121)		
age65-74 years old	-0.676***	-0.115		
v	(0.189)	(0.177)		
age75 years or older	0.641^{*}	1.070***		
•	(0.354)	(0.327)		
StateRajasthan		-0.844^{***}		
v		(0.068)		
StateTamil Nadu		-1.443***		
		(0.075)		
StateUttar Pradesh		-0.546***		
		(0.102)		
StateWest Bengal		-0.455^{***}		
9		(0.070)		
Constant	2.207***	2.631***		
	(0.081)	(0.080)		
Observations	2,104	2,104		
\mathbb{R}^2	0.092	0.235		
Adjusted R ²	0.088	0.230		
Residual Std. Error	1.049 (df = 2093)	0.964 (df = 2089)		
F Statistic	, , ,	$45.758^{***} (df = 14; 2089)$		
Note:	*p	<0.1; **p<0.05; ***p<0.01		

${ m LPG}:$ demographic variables

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Fri, Aug 18, 2023 - 12:22:51

Table 2: Results from 2 linear regression models

<u> </u>	Dependent variable:			
	Risky_INDLPG			
	$(1) \qquad \qquad ^{\cdot} -$	(2)		
Uppercaste	0.001	-0.128**		
	(0.054)	(0.053)		
Male	-0.080	-0.137^{***}		
	(0.051)	(0.050)		
Hindu	-0.119^*	0.027		
Timuu	(0.063)	(0.062)		
1 177.1	, ,	, ,		
urban_ruralUrban	0.086	-0.011		
	(0.056)	(0.063)		
age25-34 years old	-0.045	-0.004		
	(0.072)	(0.070)		
age35-44 years old	0.079	0.128*		
J J	(0.078)	(0.078)		
age45-54 years old	-0.166^*	-0.105		
age45-54 years old	(0.095)	(0.093)		
	` ,	` '		
age55-64 years old	0.120	0.128		
	(0.139)	(0.136)		
age65-74 years old	-0.483**	-0.117		
	(0.206)	(0.202)		
age75 years or older	0.052	0.308		
ago, o years or order	(0.386)	(0.373)		
CtataDaiaathan	, ,	0.996***		
StateRajasthan		-0.226^{***} (0.077)		
		` ,		
StateTamil Nadu		-0.854***		
		(0.084)		
StateUttar Pradesh		-0.023		
		(0.117)		
StateWest Bengal		0.250***		
State West Bengar		(0.080)		
	0.410***	, ,		
Constant	3.418*** (0.088)	3.516^{***} (0.092)		
	(0.000)	(0.092)		
Observations	2,139	2,139		
\mathbb{R}^2	0.012	0.086		
Adjusted R ²	0.007	0.080		
Residual Std. Error	1.144 (df = 2128)	1.101 (df = 2124)		
F Statistic	$2.545^{***} \text{ (df} = 10; 2128)$	$14.342^{***} (df = 14; 2124)$		
Note:	*p	<0.1; **p<0.05; ***p<0.01		

Table 1 and 2:

- 1. Uppercaste, Male, Hindu and urban_rural are binary variables.
- 2. Reference for age variables is 18-24 years old

3. Reference for State is Maharashtra

Linear Regression model - stove ownership by four groups - (i)LPG, (ii)Traditonal Stove(Including Firewood), (iii)Both and (iv)Other

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Fri, Aug 18, 2023 - 12:22:51

Table 3: Results from 2 linear regression models

	Dependent variable:	
		Risky_INDFirewoodetc
	(1)	(2)
urban_ruralUrban	0.074	0.397***
	(0.091)	(0.083)
Hindu	-0.086	0.159*
	(0.089)	(0.081)
3.6.1	,	,
Male	0.099	-0.020
	(0.070)	(0.064)
Uppercaste	-0.049	-0.157^{**}
	(0.076)	(0.069)
age25-34 years old	-0.069	-0.025
age25-54 years old	(0.102)	(0.093)
	,	,
age35-44 years old	0.018	-0.234^{**}
	(0.116)	(0.106)
age45-54 years old	-0.186	-0.106
2.82.20 0.2 / 2022 2232	(0.135)	(0.123)
77.04	` /	,
age55-64 years old	0.245	0.031
	(0.185)	(0.169)
age65-74 years old	0.138	0.116
	(0.317)	(0.289)
age75 years or older	0.805	1.523**
age 15 years of older	(0.657)	(0.598)
	,	,
groupTraditional	0.083	-0.498***
	(0.168)	(0.154)
groupBoth	-0.009	-0.319***
0 · ··r	(0.095)	(0.087)
0.1	, ,	,
groupOther	-0.952***	-1.110***
	(0.156)	(0.142)
Constant	3.451***	2.211***
	(0.129)	(0.118)
Observations	1,034	1,034
R ²	0.057	0.150
Adjusted R^2	0.045	0.140
Residual Std. Error ($df = 1020$)	1.110	1.011
F Statistic ($df = 13; 1020$)	4.710***	13.895***
Note:	*p<	0.1; **p<0.05; ***p<0.01
	1	, 1 , 1

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