Excel Literacy Results

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Descriptive Statistics

Used log +1 to account for students with 0 percent

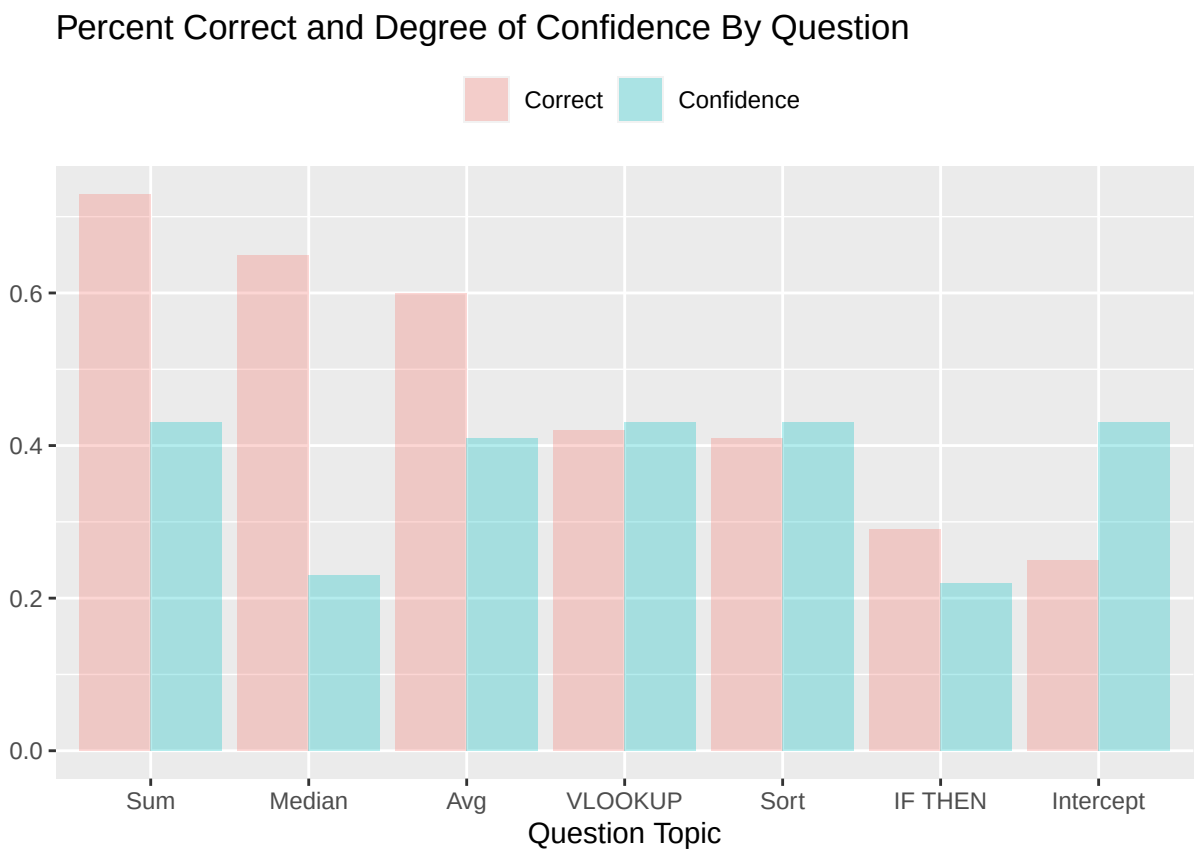
```
stargazer(means, type="latex", title = "Descriptive Statistics of Variables")
```

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
% Date and time: Sun, Dec 04, 2022 - 13:35:30

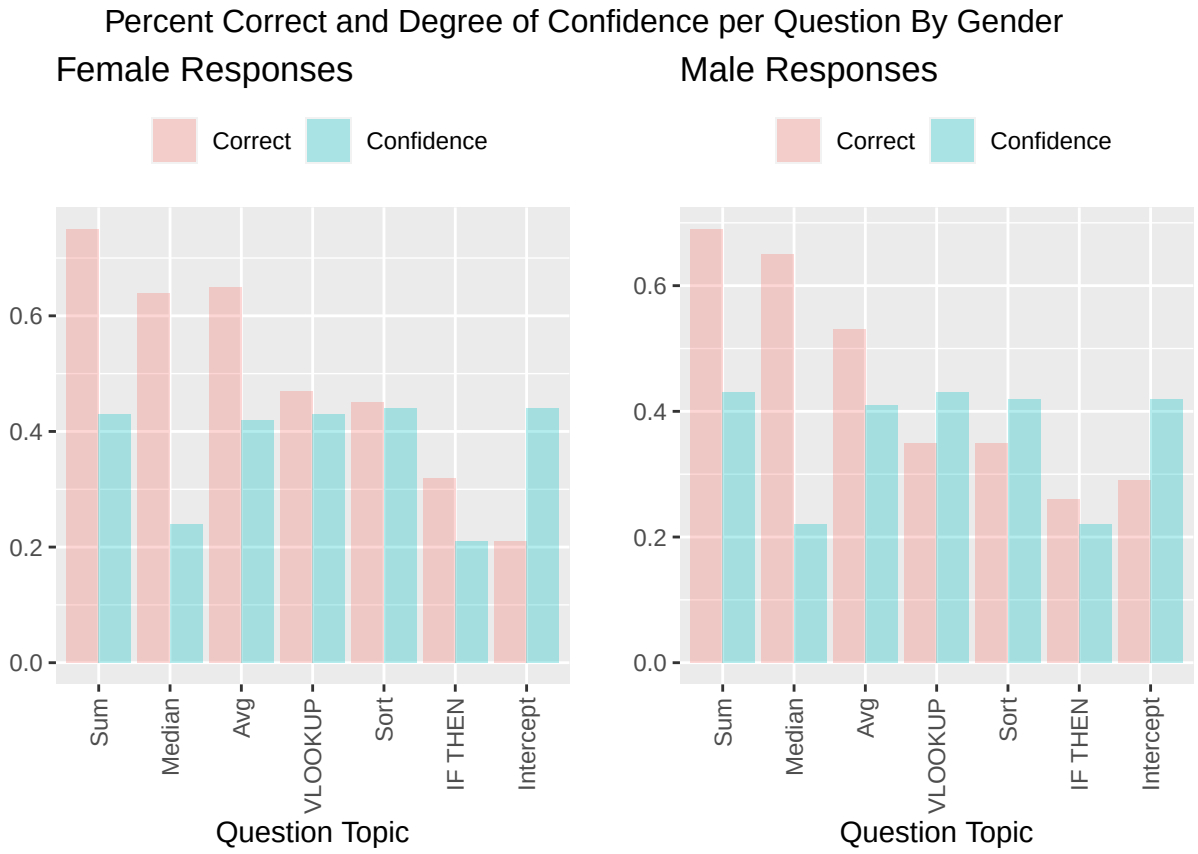
Table 1: Descriptive Statistics of Variables

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
Percent Correct	468	0.476	0.287	0.000	0.286	0.714	1.000
Percent Correct Log	468	0.370	0.204	0.000	0.251	0.539	0.693
Average Confidence	468	2.459	0.683	1.000	2.143	2.857	4.000
Cumulative GPA	468	3.587	0.411	0.817	3.400	3.862	4.000
Male	468	0.421	0.494	0	0	1	1
Female	468	0.579	0.494	0	0	1	1
Asian	468	0.122	0.327	0	0	0	1
Black	468	0.038	0.193	0	0	0	1
Hispanic	468	0.083	0.277	0	0	0	1
Multiracial	468	0.049	0.216	0	0	0	1
Non-Resident Alien	468	0.030	0.171	0	0	0	1
White	468	0.677	0.468	0	0	1	1

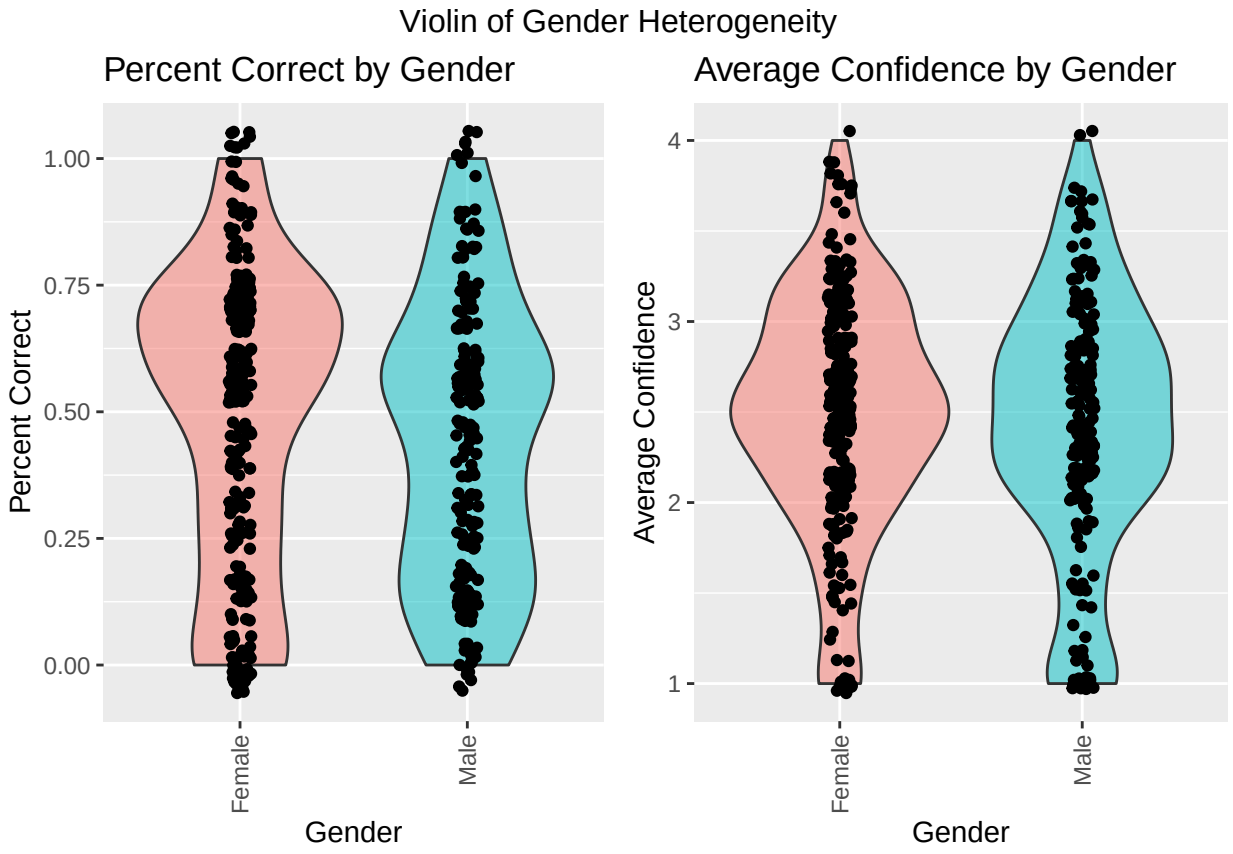
```
ggplot(melted,aes(x=x,y=value,fill=variable)) +
  geom_bar(stat="identity",position = "dodge", alpha=.3) +labs(title = "Percent Correct and Degree of C
```



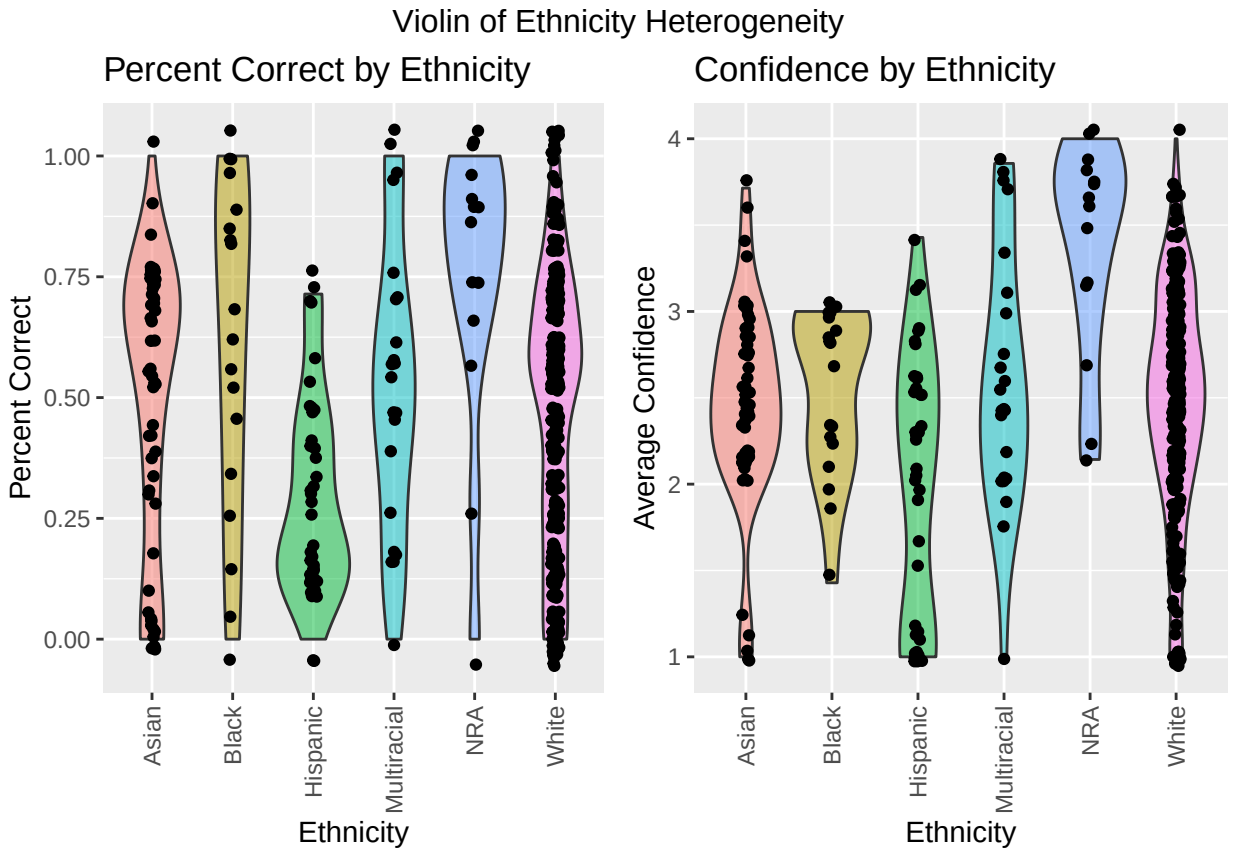

```
grid.arrange(a, b, ncol = 2,top = "Percent Correct and Degree of Confidence per Question By Gender")
```




```
grid.arrange(c, d, ncol = 2, top="Violin of Gender Heterogeneity")
```




```
grid.arrange(e, f, ncol = 2, top="Violin of Ethnicity Heterogeneity")
```



Average confidence was rounded to the nearest whole number and then set as a factor to create dummies for each confidence level

```
ols1<-lm(m$question_percentLog~m$Cumulative_GPA+m$Gender+m$Ethnicity_NRA_included+as.factor(m$Confidenc
stargazer(ols1,type="latex", title="Regression of Correct Percent Log on Covariates",covariate.labels =
        c("Cumulative GPA", "Male", "Black", "Latino",
          "NRA", "Multiracial", "White", "Confidence 2","Confidence 3","Confidence 4","Intercept"),dep.
```

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Table 2: Regression of Correct Percent Log on Covariates

	Dependent variable:
	Percent Correct Log
Cumulative GPA	0.075^{***}
	(0.018)
Male	-0.013
	(0.015)
Black	0.090^{**}
	(0.043)
Latino	-0.043
	(0.033)
NRA	0.028
	(0.050)
Multiracial	0.0004
	(0.038)
White	-0.015
	(0.022)
Confidence 2	0.212^{***}
	(0.025)
Confidence 3	0.361^{***}
	(0.025)
Confidence 4	0.491^{***}
	(0.041)
Intercept	-0.155^{**}
	(0.073)
Observations	468
R^2	0.445
Adjusted R^2	0.433
Residual Std. Error	0.154 (df = 457)
F Statistic	36.651^{***} (df = 10; 457)
Note:	*p<0.1; **p<0.05; ***p<0.01