

# Week 4.Data management

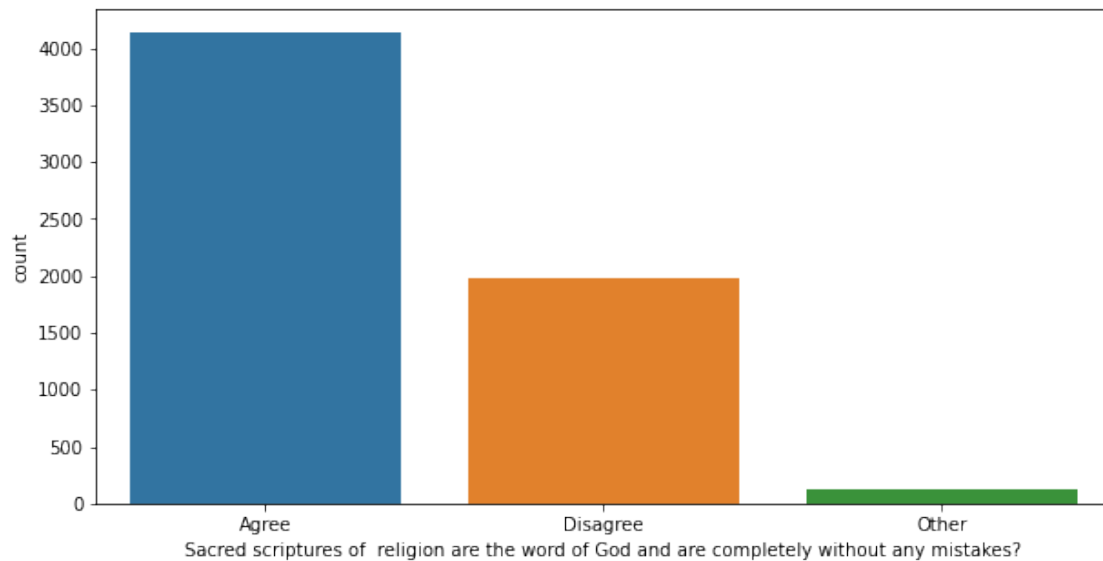
March 20, 2020

## 1 Importance of Religion.

### 1.0.1 How much adolescents agree with what's written in the sacred scriptures of their religion

Description	Count	Count normalized
agree	4138	0.663035
disagree	1984	0.317898
no sacred scriptures	119	0.019067

Text(0.5, 0, 'Sacred scriptures of religion are the word of God and are completely without any mistakes?')

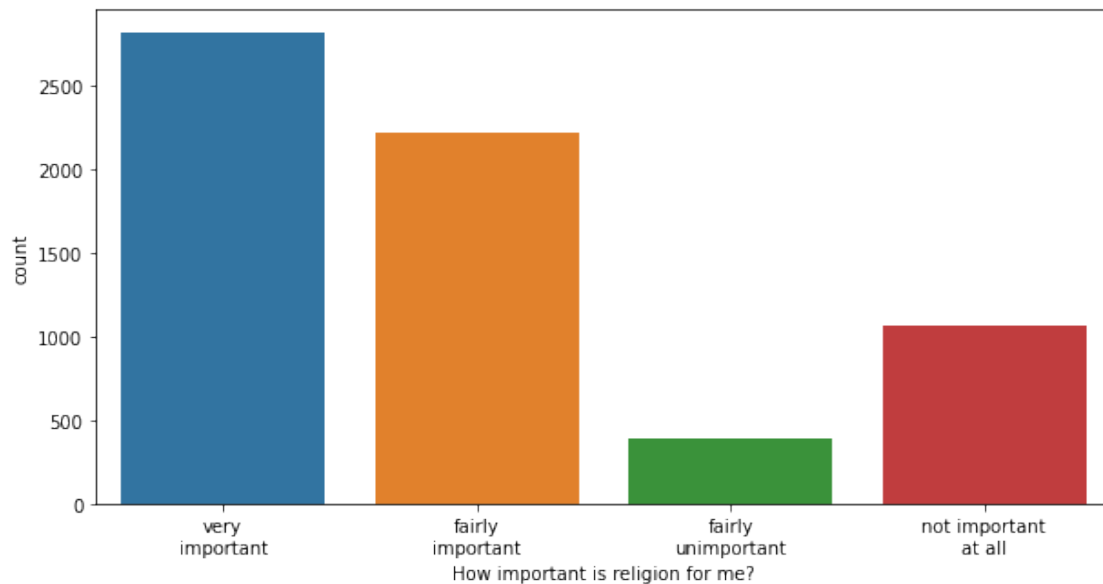


Univariant graph for question about believes in sacred scriptures is unimodal and highly skewed to the left, meaning that biggest amount of respondents are religious people and do trust their religions' books.

### 1.0.2 How important is Religion in adolescents lives ?

	Count	Normalized Count
Description		
very important	2812	0.433082
fairly important	2218	0.341599
not important at all	1072	0.165101
fairly unimportant	391	0.060219

Text(0.5, 0, 'How important is religion for me?')



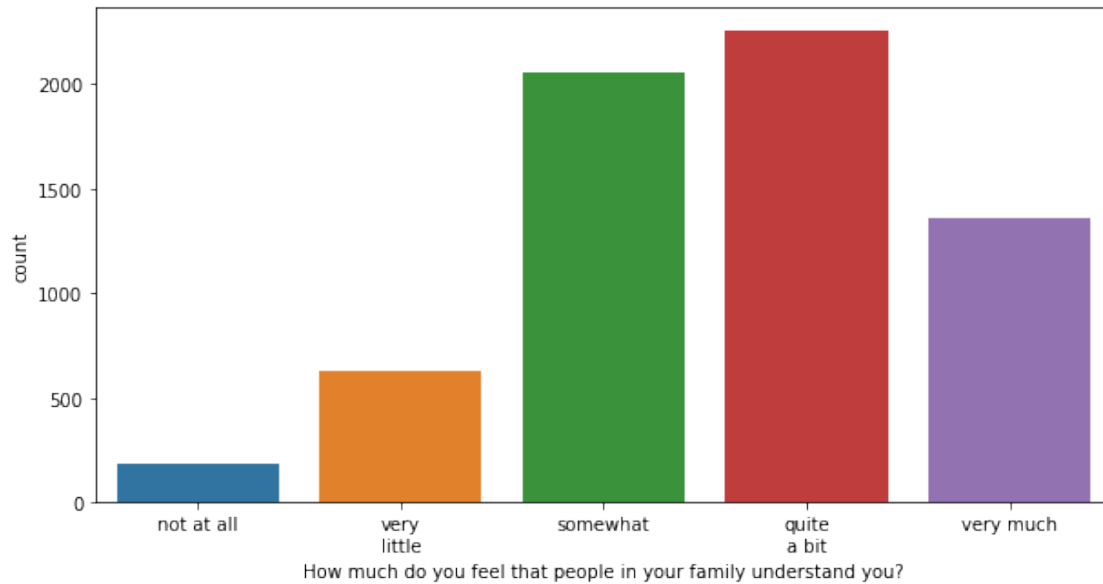
Graph regarding religion importance is again unimodal and skewed to the left, as most of the respondents declare that religion plays important role in their everyday life. Together with previous graph it might mean, that as most of the respondents are religious people, trying to compare situation in religious and non-religious families might be complicated, because of huge imbalance in numbers.

## 2 Understanding in family.

### 2.0.1 How much do you feel that people in your family understand you?

	Count	Normalized Count
Description		
quite a bit	2252	0.347960
somewhat	2054	0.317367
very much	1355	0.209363
very little	624	0.096415
not at all	187	0.028894

Text(0.5, 0, 'How much do you feel that people in your family understand you?')



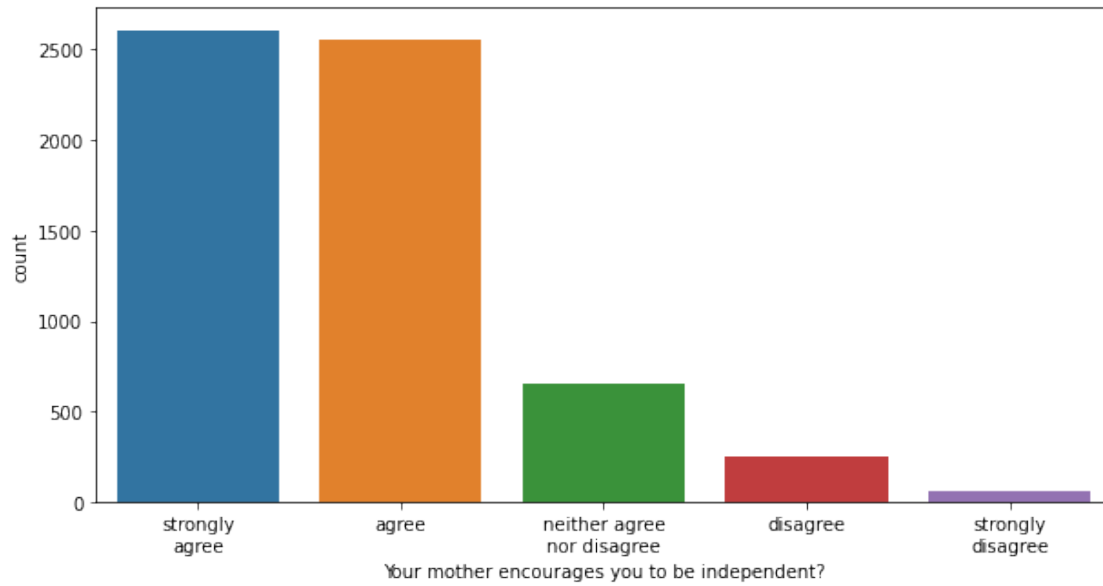
Most of the adolescents, who answered question about understanding in families say, that people in their families understand them, so graph is unimodal and skewed to the right.

### 3 Independence in family.

#### 3.0.1 Your mother encourages you to be independent?

	Count	Normalized Count
Description		
strongly agree	2600	0.424975
agree	2554	0.417457
neither agree nor disagree	653	0.106734
disagree	249	0.040700
strongly disagree	62	0.010134

Text(0.5, 0, 'Your mother encourages you to be independent?')

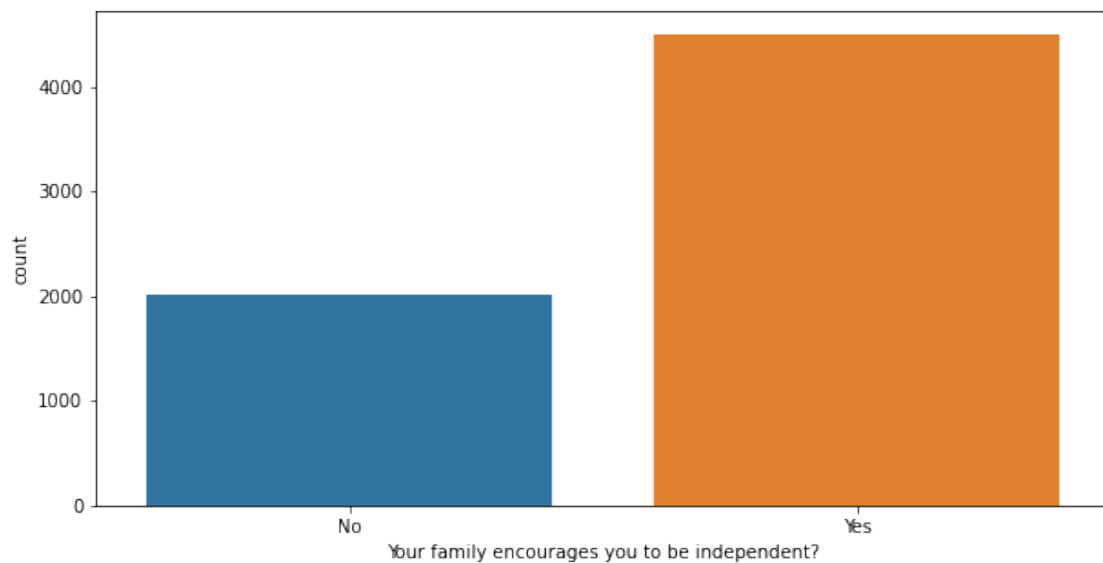


Graph is unimodal, skewed to the right, as most of the respondents answer, that their mothers motivate them to be independent, and only very low percentage disagrees with it

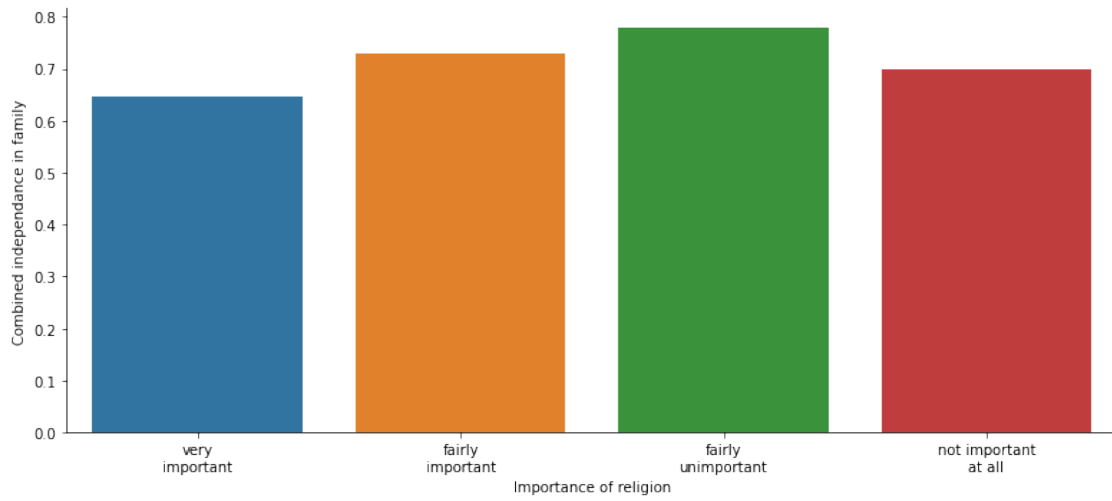
### 3.1 Combined value of family encouraging to be independent

	Count	Normalized Count
Description		
Yes	4496	0.691267
No	2008	0.308733

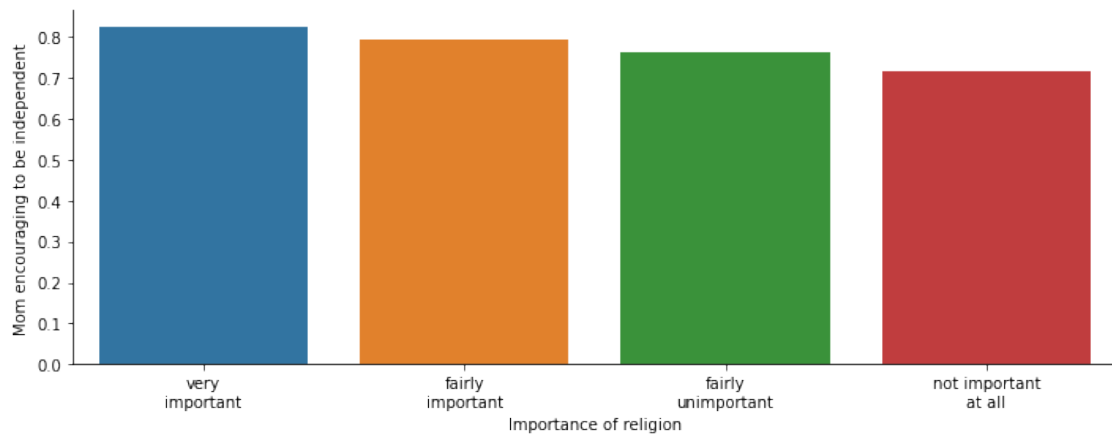
Text(0.5, 0, 'Your family encourages you to be independent?')



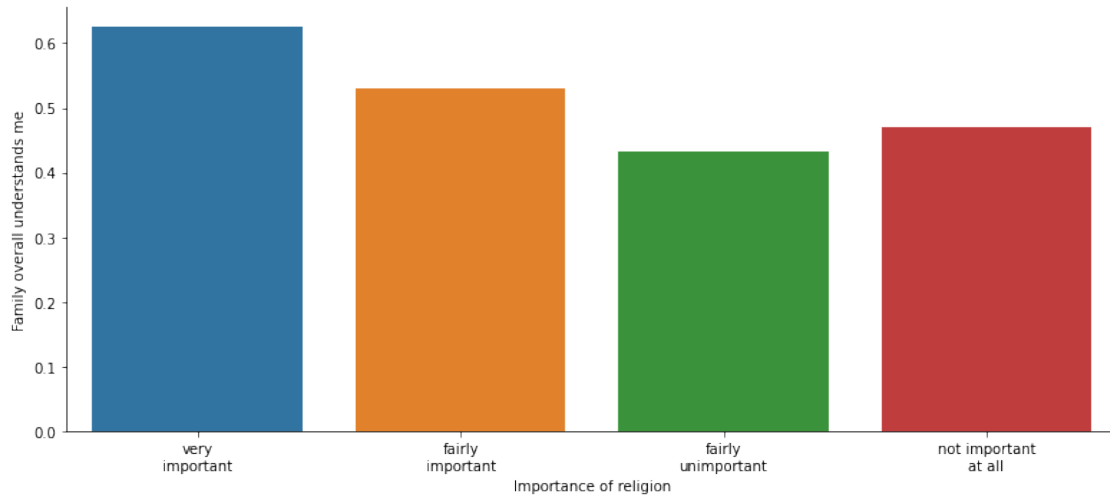
Text(6.799999999999997, 0.5, 'Combined independance in family')



Text(6.799999999999997, 0.5, 'Mom encouraging to be independent')



Text(6.799999999999997, 0.5, 'Family overall understands me')



Although most of those for whom religion is somewhat important answered, that their families tend to understand them, it's too early to make any assumptions about correlation of these variables.

The only bivariate graph is the one showing dependency between religion and overall independence in family. Others are almost uniform distributions, which might mean, that there's no strong correlation between religion and encouraging adolescents to be independent.