Week 4.Data management
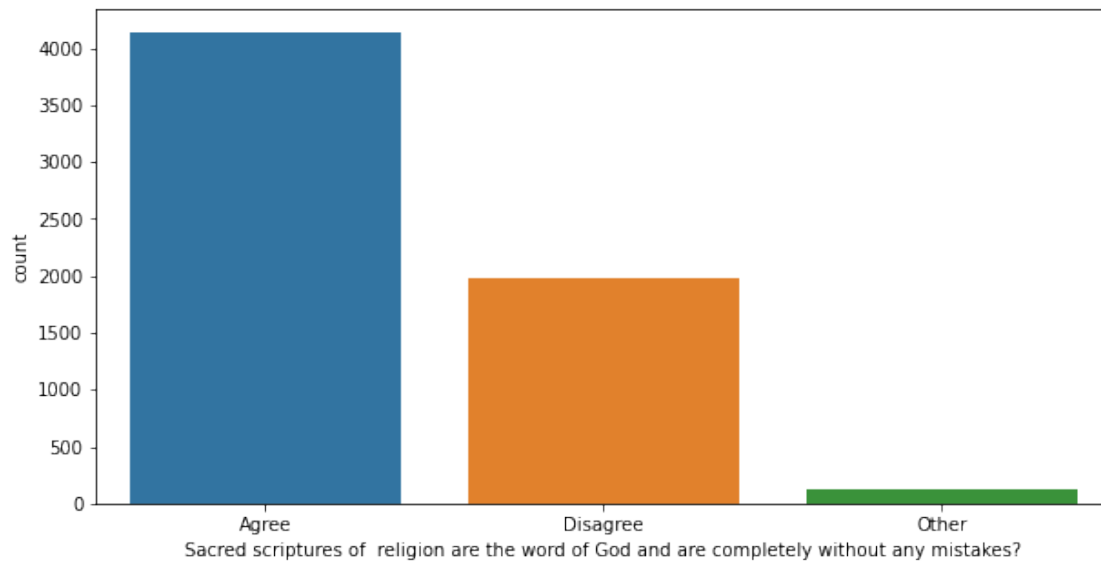
March 20, 2020

1 Importance of Religion.

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

```
                      Count  Count normalized
Description
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?')
```
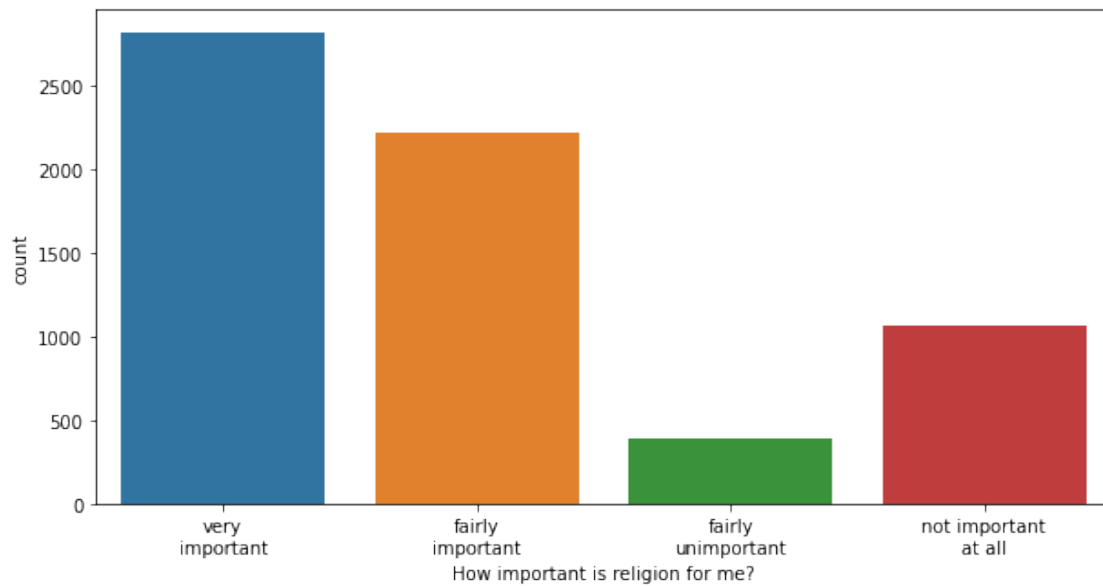

Univariant graph for question about believes in sacred scriptures is unimodal and highly skewed to the left, meaning that biggest amount of respondents are religious people and do trust their religions' books.

1.0.2 How important is Religion in adolescnets 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
```

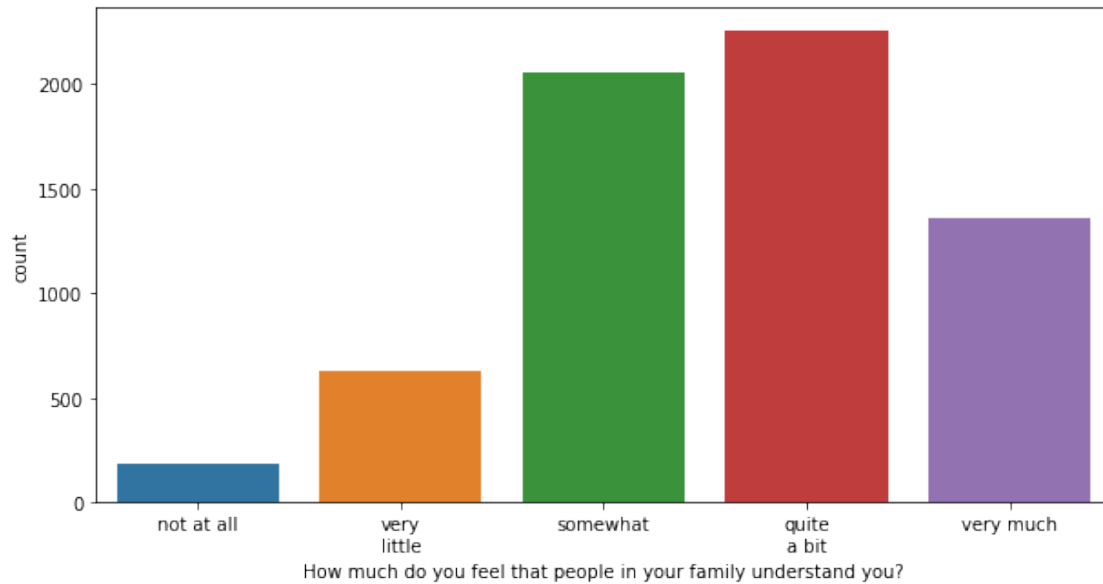Text(0.5, 0, 'How important is religion for me?')

Graph regarding religion importance is again unimodal and skewed to the left, as most of the respondents declare that religion plays importnat 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?')
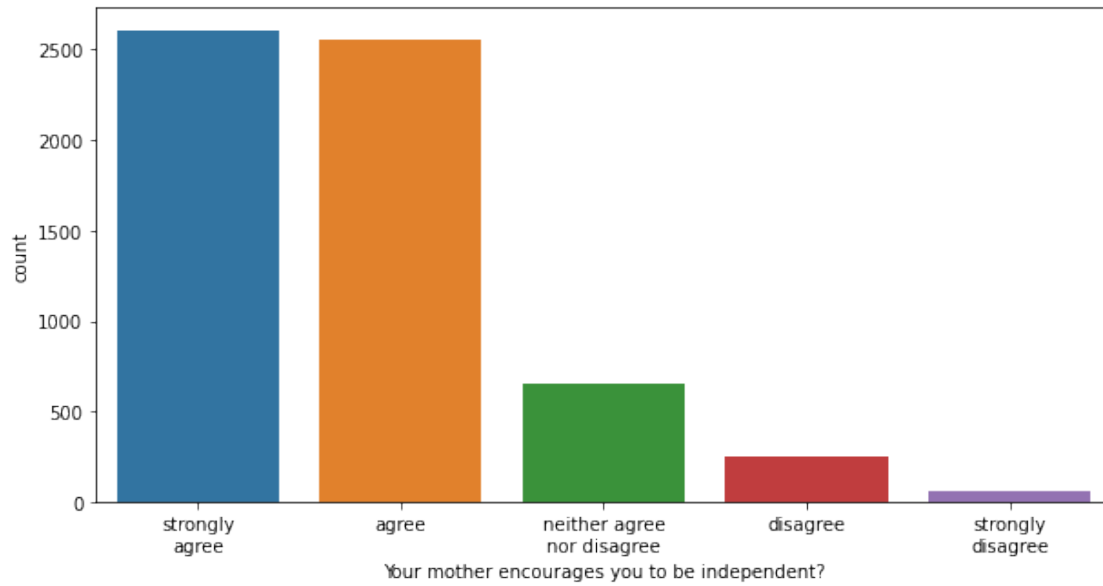

Most of the adolescents, who answered question about understanding in families say, that people in their families understand them, so graph is unimodal and skewed to the right.

3 Independance 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
```

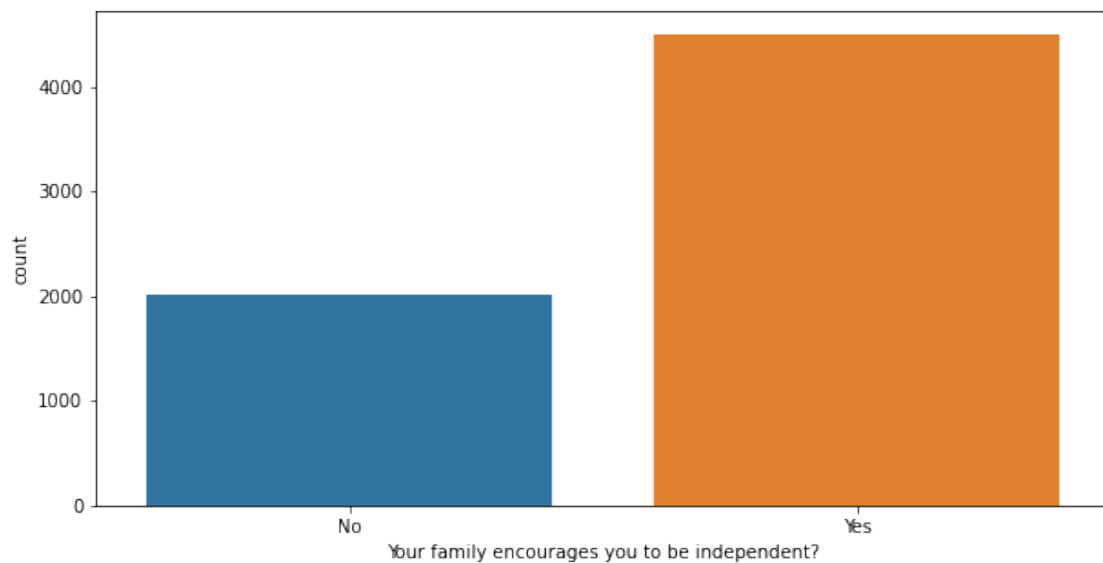Text(0.5, 0, 'Your mother encourages you to be independent?')

Graph is unimodal, skewed to the right, as most of the respondents answer, that their mothers motivate them to be inpedendent, and only very low percentage disagrees with it
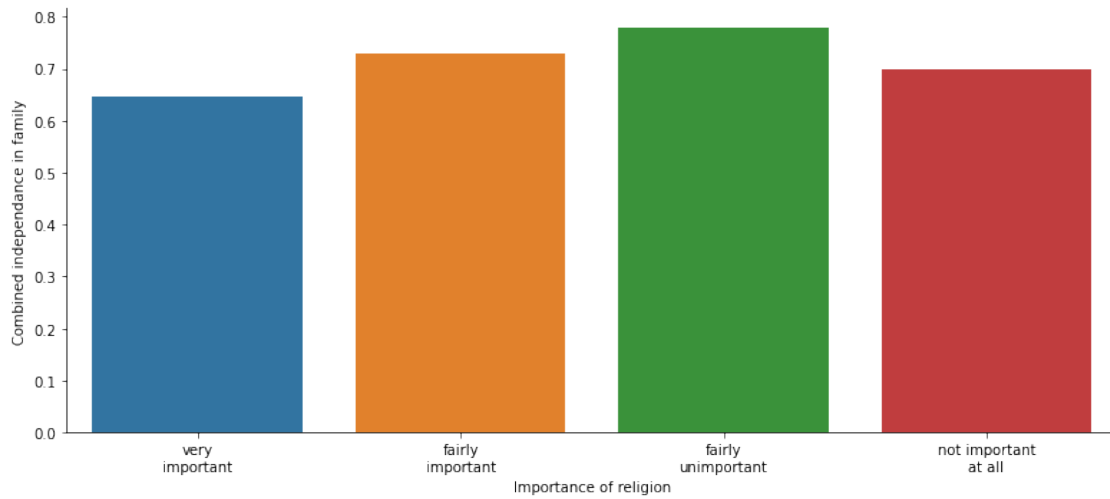
3.1 Combined value of family encoureging to be independant

```
             Count   Normalized Count
Description
Yes          4496            0.691267
No           2008            0.308733
```
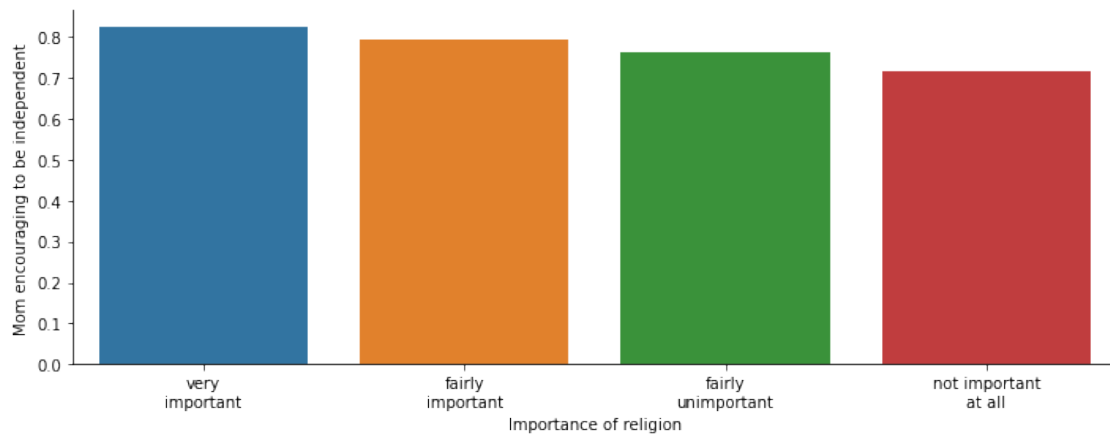
Text(0.5, 0, 'Your family encourages you to be independent?')
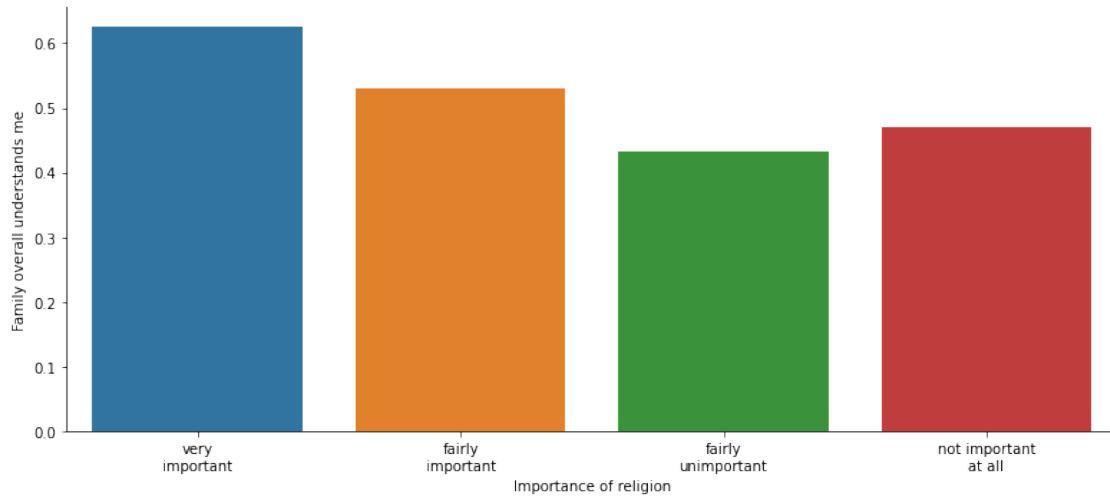
Text(6.799999999999997, 0.5, 'Combined independance in family')

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

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

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

The only bivariate graph is the one showing dependency between religion and overall independence
in family. Others