

What Differences are there between
students who attend mass frequently and
those who do not?

Supplemental Analyses

A: Political Stances

Variable - polParty

Question - Generally speaking, do you usually think of yourself as Democrat, Independent, Republican, or something else?

Responses - 1 Strong Democrat -7 Strong Republican

Data -

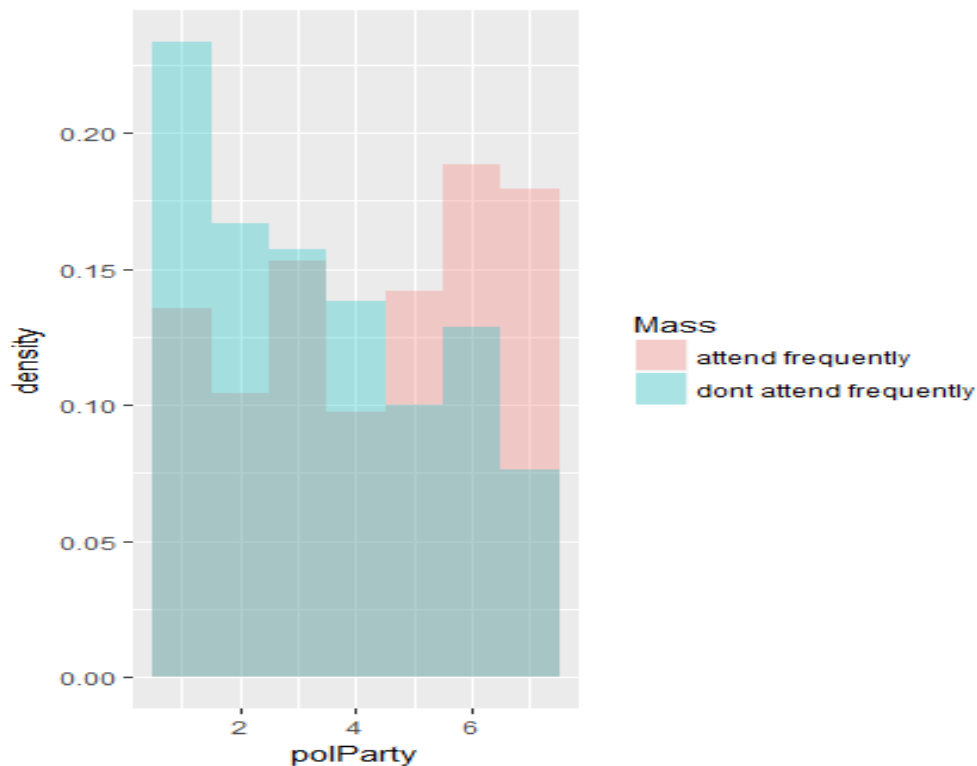
- Frequent mean = 4.290466
- Infrequent mean = 3.395238
- P value - 1.323e-07

Difference in shape

- Attends mass frequently: right side peak at 6 (not very strong republican) with a slight left skew.
- Does not attend mass frequently: left side peak at 1 (Strong Democrat), with a strong right skew.

Main Take Away

- There is a significant difference, both statistically and graphically. Those who attend mass lean farther towards republican. They average as Independent, close to republican. Those who do not attend mass frequently lean farther towards democrat averaging as Independent, close to democrat.



Variable - Libcon

Question - Generally speaking, do you usually consider yourself as politically liberal, conservative, or moderate?

Responses - 1 Strong Liberal -> 7 Strong Conservative

Data

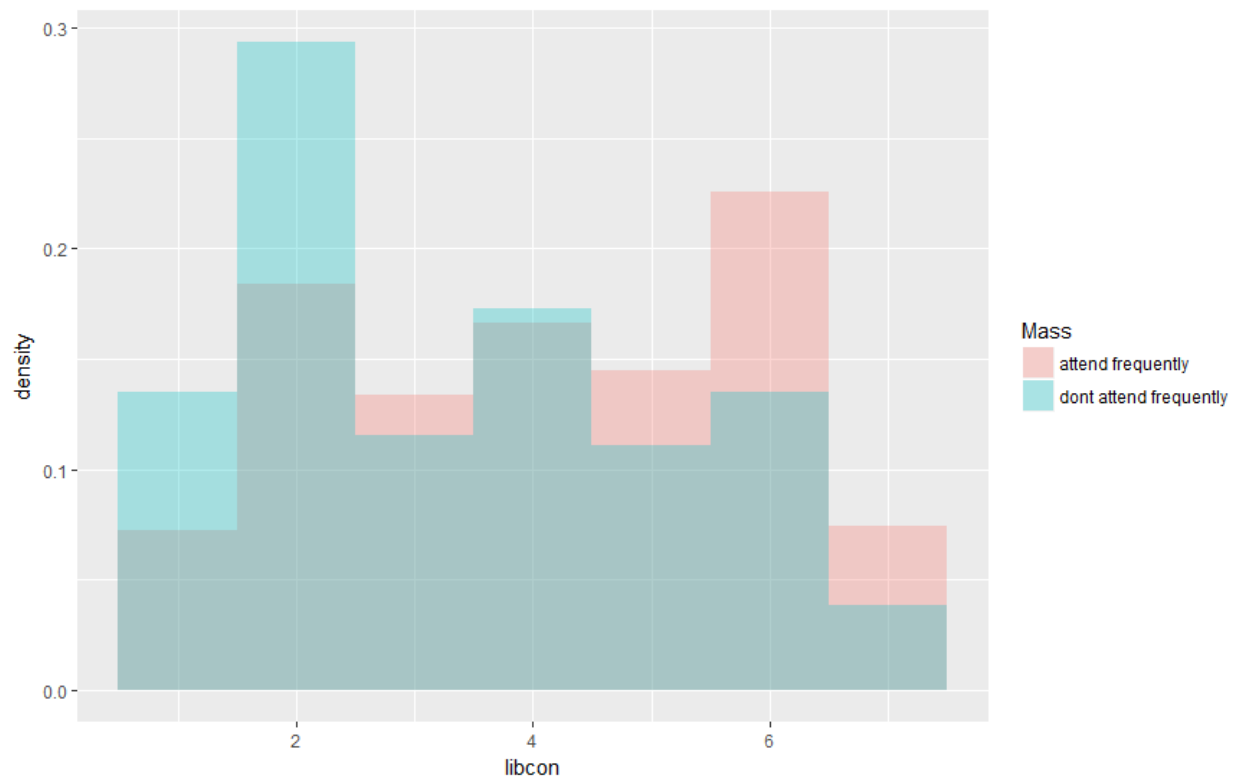
- Frequent mean = 4.100656
- Infrequent mean = 3.389423
- P value = 2.473e-06

Difference in shape

- Attends mass frequently: Right side peak at 6 (conservative) with a minor left skew
- Does not attend mass frequently: left side peak at 2 (liberal) with a minor right skew

Main Take Away

- For responses in the middle there are nearly equal responses from those who do and do not attend mass frequently. For more extreme values there is a different. Significantly more frequent mass attenders identify as conservative and strong conservative while significantly more non frequent maass attenders identify as liberal and strong liberal.



Variable - serveHomosexual

Question - How closely do the following statements align with your own opinions? All businesses should be required to serve homosexuals regardless of the owners' moral position.

Response - 1 Does not align at all -> 5 aligns perfectly

Data

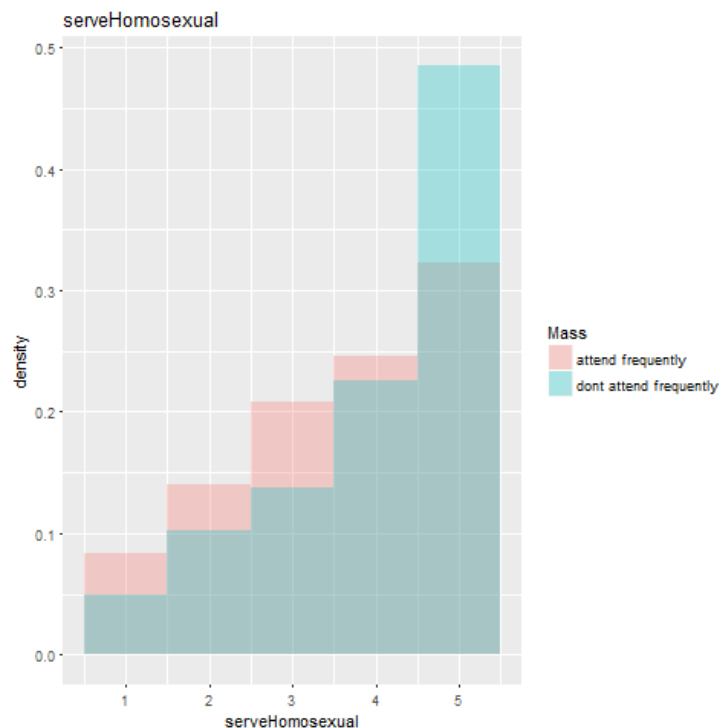
- Frequent mean = 3.583333
- Infrequent mean = 3.995098
- P value = 9.659e-05

Difference in shape

- Both groups show a strong left skew however “dont attend frequently” is skewed stronger

Main Take Away

- Overall, both groups resoundingly support the position that businesses must be required to support homosexuals regardless of the owners moral position (85% “dont attend frequently”) (78 “attend frequently”). The largest difference is with the “aligns perfectly” response. Those who don’t attend frequently are much more likely to answer “aligns perfectly” with nearly 49% of respondents while only 32% of those who attend frequently answered as such.



Variable - gayMarriage

Question - How closely do the following statements align with your own opinions? Gay marriage should be legal in every state.

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

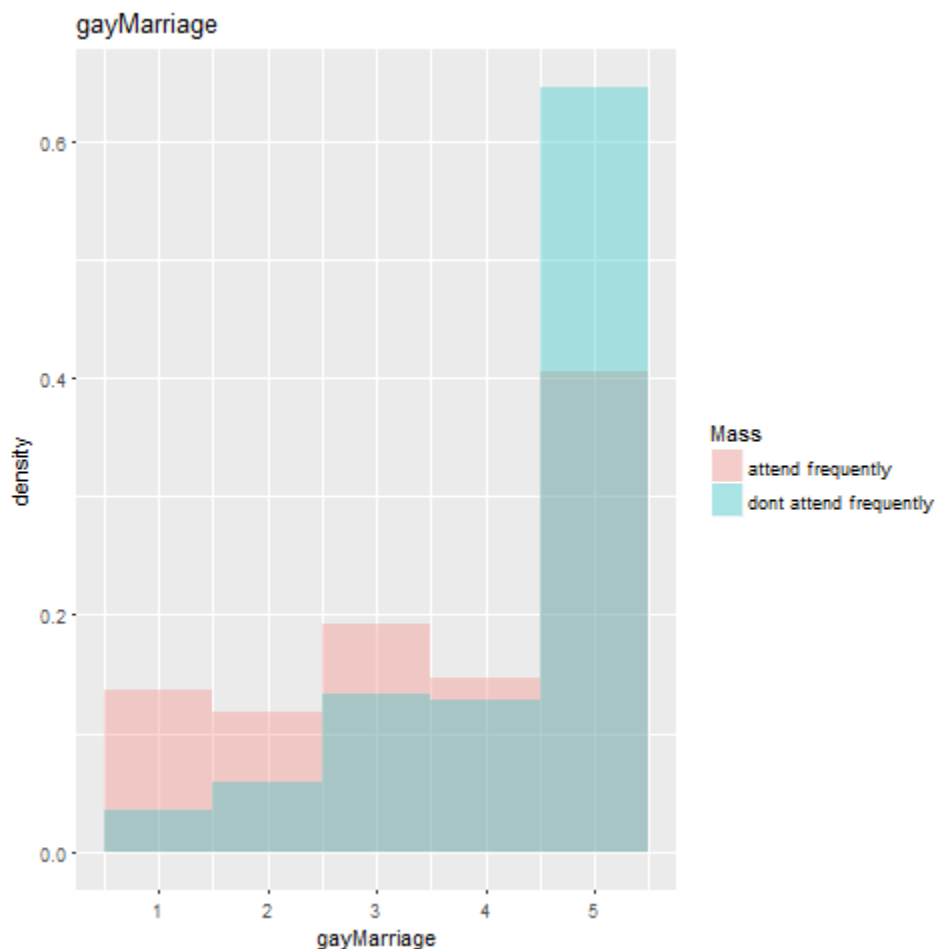
- Frequent mean = 3.567982
- Infrequent mean = 4.294118
- P value = 7.75e-12

Difference in shape

- Both groups are significantly left skewed. However; “dont attend frequently” has a much stronger skew.

Main Take Away

- Both groups overwhelmingly support gay marriage being legal in every state with 76% of those who attend mass frequently supporting and 91% of those who do not attend frequently supporting. There is a significant difference in the “aligns perfectly” response”. For frequent attenders more than 66% responded as such and only 40% responded as such. Those who do not attend mass frequently feel much stronger.



Variable - reduceInequality

Question - How closely do the following statements align with your own opinions?The government should make an effort to decrease economic inequalities in this country.

Response 1. Does not align at all -> 5. aligns perfectly

Data -

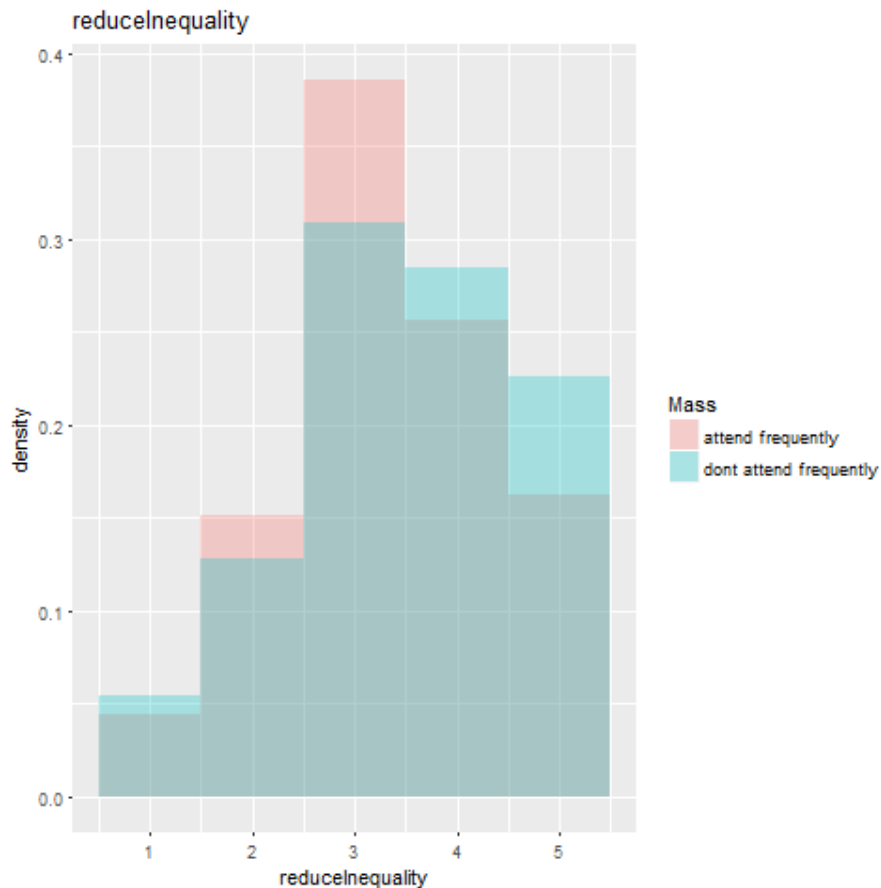
- Frequent mean = 3.342105
- Infrequent mean = 3.500000
- P value = 0.09234

Difference in shape

- Both are unimodal with a slight left skew.

Main take away

- There is no significant difference between the beliefs of the two groups. Overall, with an average response of 3.39(3. aligns somewhat closely 4. Aligns very closely) students feel slightly on the side of government intervention to reduce inequality.



Variable - Military

Question - How closely do the following statements align with your own opinions? Military force abroad should be used only if there is a direct and imminent threat to the United States.

Response - 1. Does not align at all -> 5. aligns perfectly

Data -

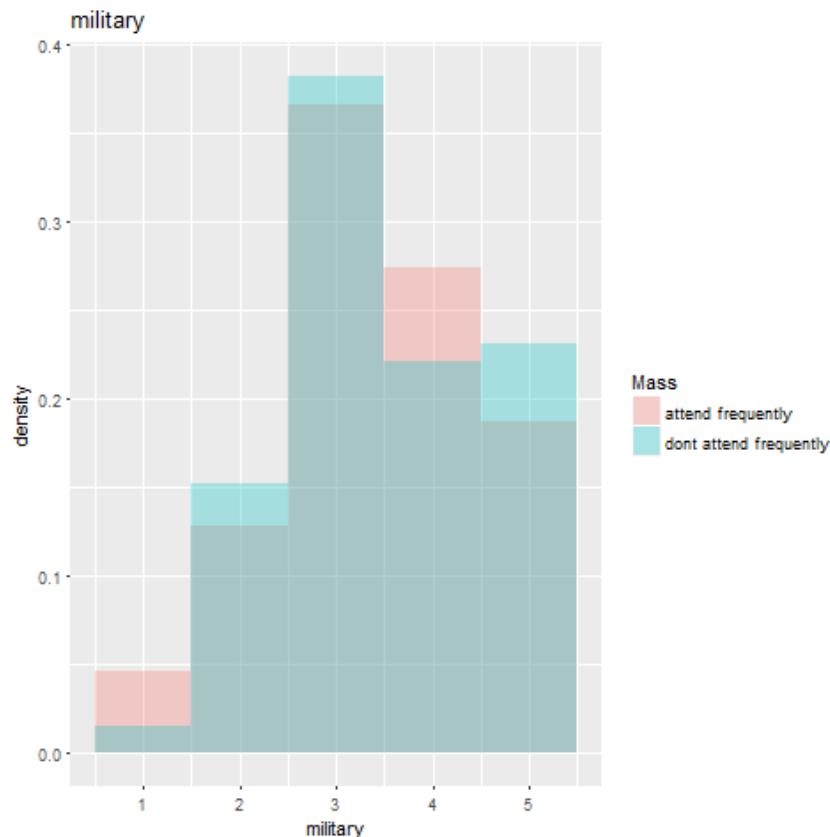
- Frequent mean = 3.427632
- Infrequent mean = 3.500000
- P value = 0.4177

Difference in shape

- Both groups display a very similar unimodal shape with an overall average of 3.45

Main take away

- There is no significant difference in beliefs between the two group. Overall, students agree that military force should only be used when there is an imminent threat to the US with an average response of 3.45 putting them between aligns somewhat closely and aligns very closely.



Variable - healthInsurance

Question - How closely do the following statements align with your own opinions? Businesses should not be forced to cover employee health care policies that provide contraceptive and reproductive services.

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

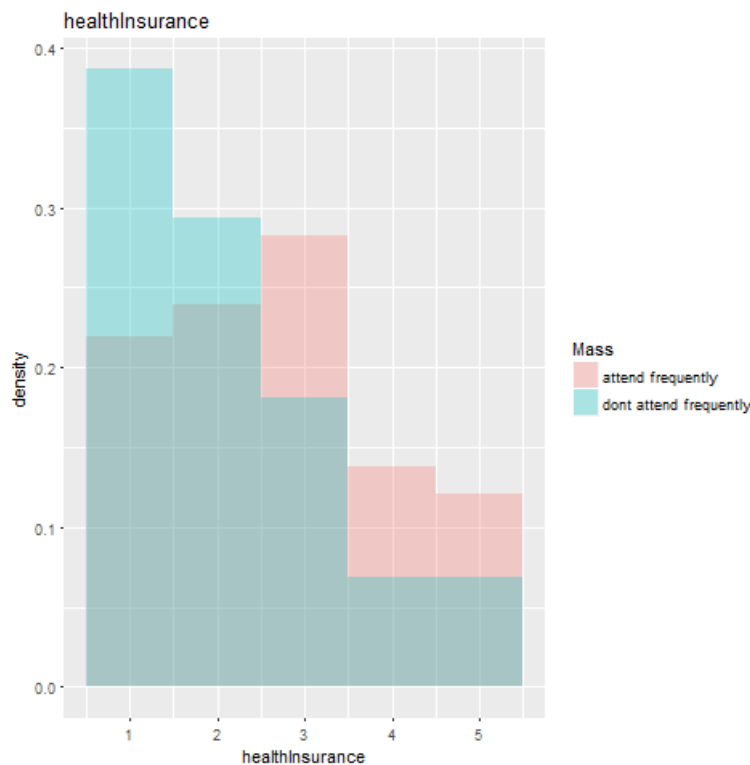
- Frequent mean = 2.701754
- Infrequent mean = 2.137255
- P value = 8.62e-08

Difference in Shape

- Attends mass frequently: Unimodal with a peak at 3 (aligns somewhat closely)
- Does not attend mass frequently: Strong right skew with a peak at 1 (does not align at all)

Main takeaway

- A difference in opinion does appear to exist. Those who attend mass frequently are pretty split on the issue of businesses being required to provide contraceptive and reproductive healthcare. Those who don't attend mass frequently are much more in favor of employee health care being required to cover contraception and reproductive services.



Variable - stopProfiling

Question - How closely do the following statements align with your own opinions? Local police should not engage in profiling as a means to stop potential threats.

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

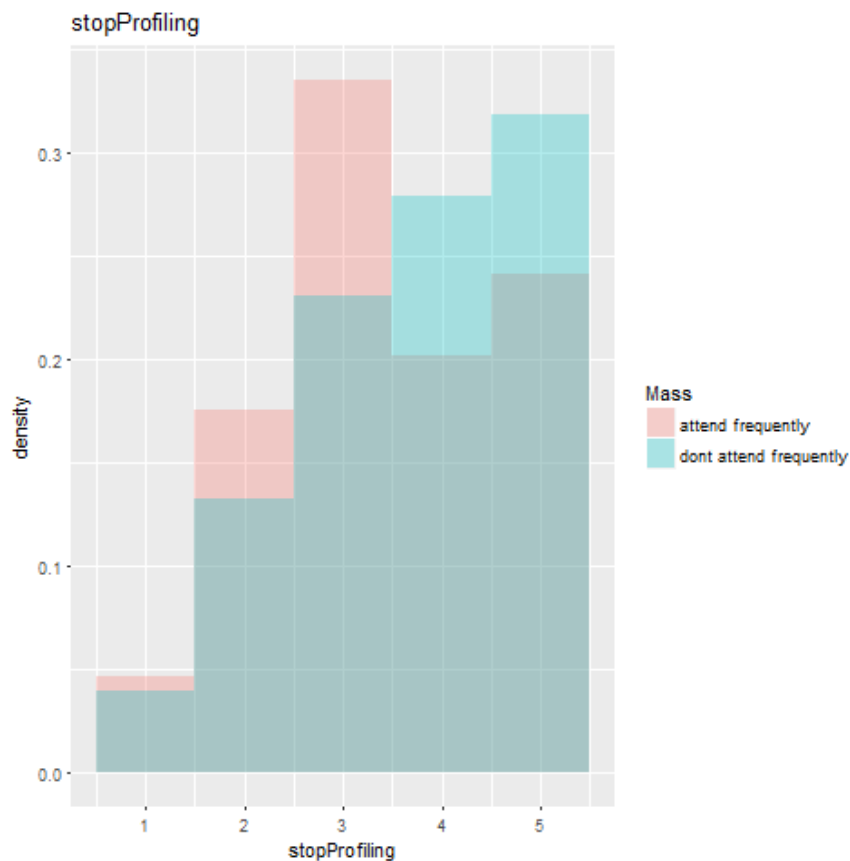
- Frequent mean = 3.416667
- Infrequent mean = 3.705882
- P value = 0.003346

Difference in shape -

- Attends mass frequently: Unimodal with a peak at 3 (aligns somewhat closely)
- Does not attend mass frequently: Skewed to the left with a peak at 5 (aligns perfectly)

Main Take away -

- Overall there is a significant difference in opinion. Those who attend mass frequently are generally split on the issue of police profiling with a mean of 3.42 and there distribution of opinions sits towards the middle. Those who do not attend frequently, are much more against the police profiling with a mean of 3.71 and a distribution that sits on the side of completely agree.



Variable - Racism

Question - How well do the following statements represent your own beliefs? Racism is no longer a prominent issue in the United States

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

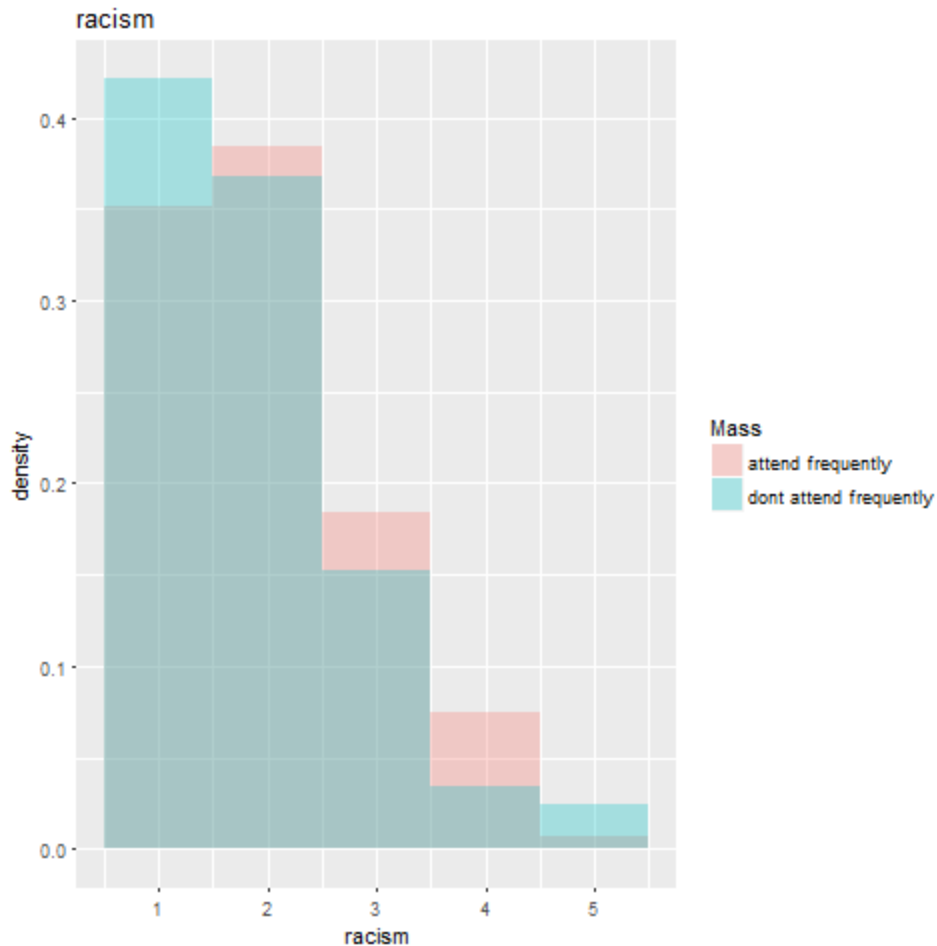
- Frequent mean = 2.002193
- Infrequent mean = 1.872549
- P value = 0.1078

Difference in Shape

- Both groups display similar responses. A strong right skew showing that students disagree with the stance.

Main Take Away

- Overall there is little difference between the opinions of the groups. Both groups resoundingly agree that Racism is still an issue with a mean response of does not represent very well and more than 75% of both groups disagreeing with the stance.



Variable - gunControl

Question - How well do the following statements represent your own beliefs? Stricter gun control measures are necessary to protect people from violence

Response - 1. Does not align at all -> 5. aligns perfectly

Data

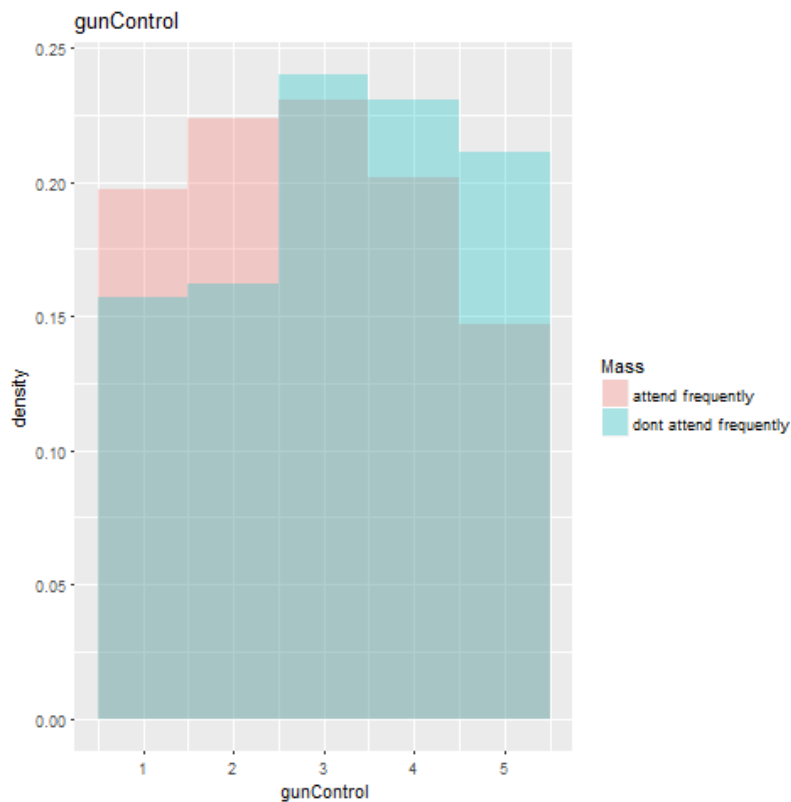
- Frequent mean = 2.877193
- Infrequent mean = 3.176471
- P value = 0.008886

Difference in Shape

- Attends mass frequently: Unimodal with a peak at 3 (aligns somewhat closely). However; a slight right skew exists.
- Does not attend mass frequently: Unimodal with a peak at 3 (aligns somewhat closely). However; a slight left skew exists.

Main Take Away

- While those who attend mass are slightly less in favor of stricter gun regulations than those who do not attend mass frequently there is not a big difference. The means are 2.88 and 3.18 for those that do and don't attend mass frequently. The biggest differences occur in the more extreme responses.



Variable - anyoneSucceed

Question - How well do the following statements represent your own beliefs? In the US anyone can be successful if they work hard enough

Response - 1. Does not align at all -> 5. aligns perfectly

Data

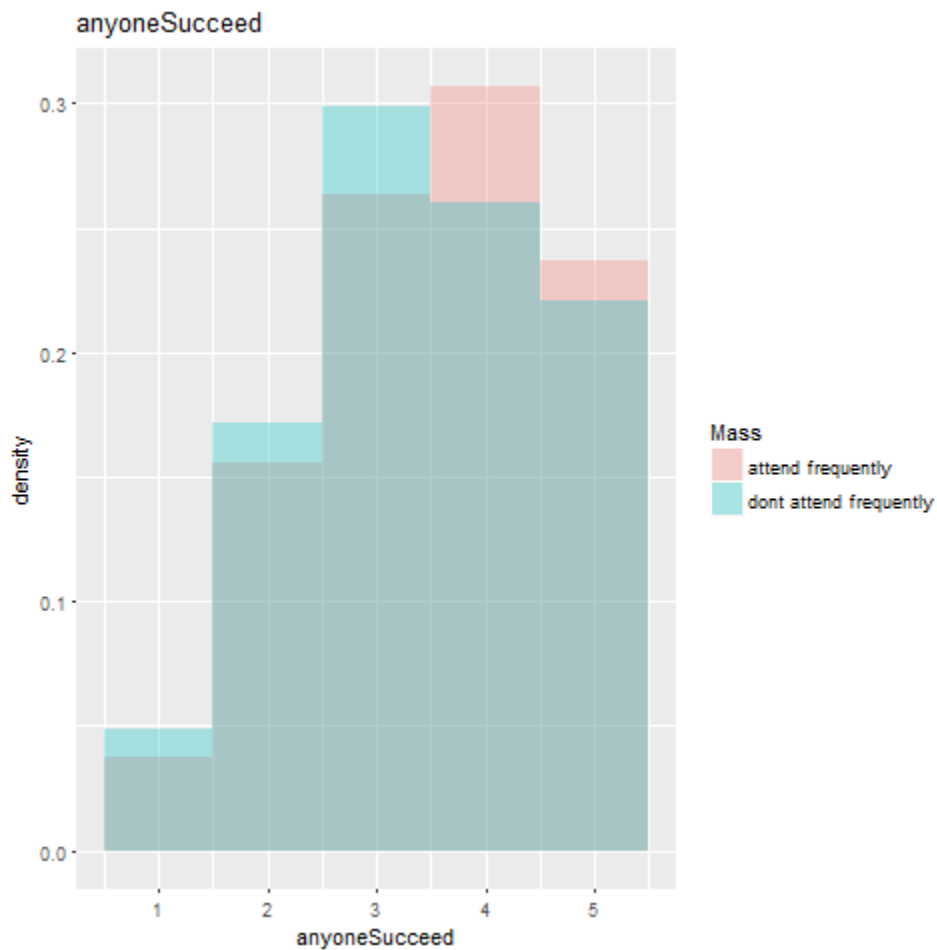
- Frequent mean = 3.550439
- Infrequent mean = 3.431373
- P value = 0.2173

Difference in Shape

- No significant difference exists. Both distributions are unimodal with a peak close to the center. "aligns somewhat"

Main Take away

- There is no significant difference between the beliefs of the two groups. Overall, students are supportive of the claim anyone in the US can be successful with an average response of 3.51 (between aligns somewhat closely and aligns very closely)



Variable - littleDifference

Question - How well do the following statements represent your own beliefs? We cannot rely on charities to make a substantial difference in the world.

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

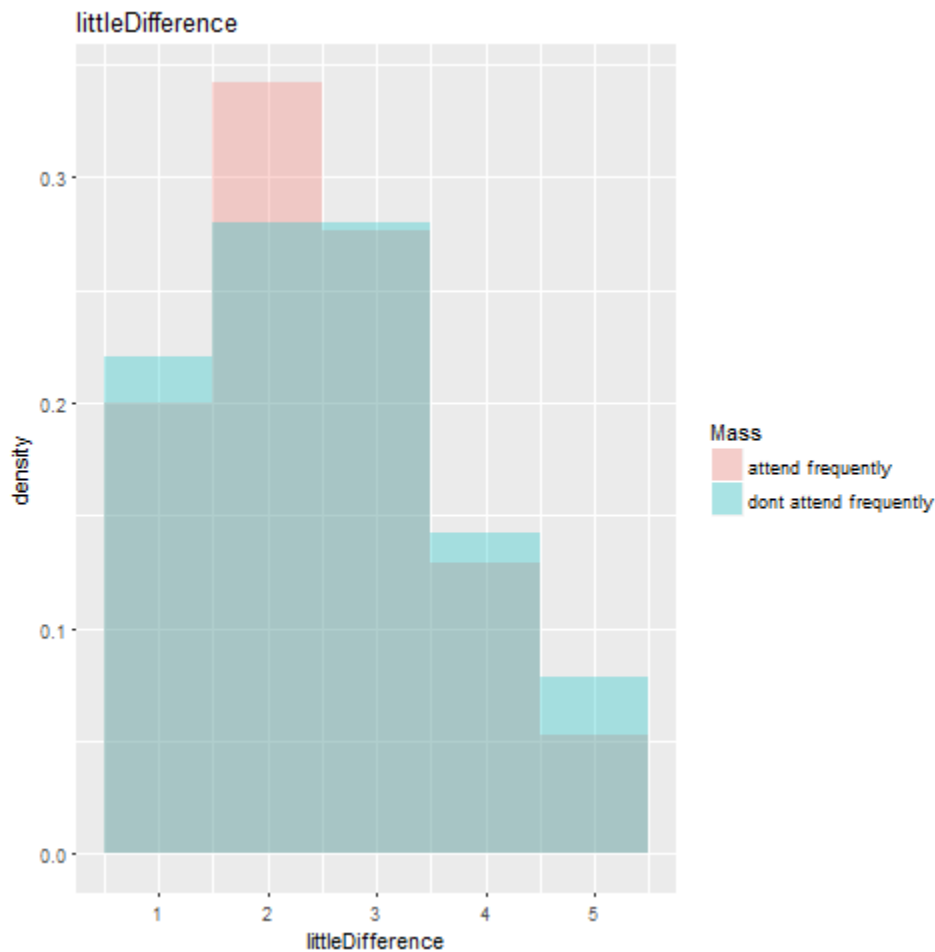
- Frequent mean = 2.493421
- Infrequent mean = 2.578431
- P value = 0.3906

Difference in Shape

- Both distributions are nearly identical, unimodal with a peak near the center.

Main Take away

- Both groups share the same beliefs on charity difference. Overall students tend to disagree with the statement that charities alone are responsible for making a difference in the world. The average response is 2.52 falling between does not align closely and aligns somewhat closely.



Variable - reduceEmissions

Question -How closely do the following statements align with your own opinions?The US President and Congress should make reducing the nation's greenhouse gas emissions a top priority in the next two years.

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

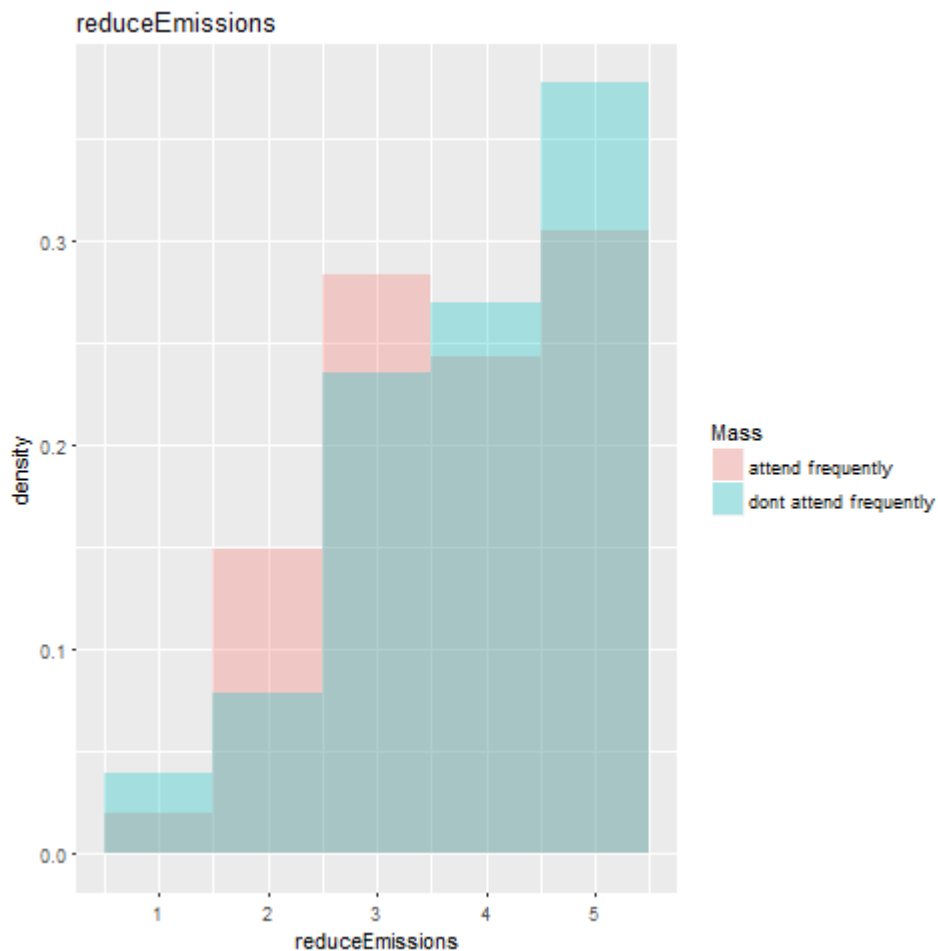
- Frequent mean = 3.664474
- Infrequent mean = 3.867647
- P value = 0.03248

Difference in Shape

- Both distributions are nearly identical with a significant left skew.

Main Take away

- There appears to be no significant difference between the beliefs of the two groups. Overall students agree that reducing greenhouse gases should be a priority of the USS government in the next two years with an average response of 3.73 falling near aligns very closely.



Variable - climateChange

Question - How well do the following statements represent your own beliefs? Climate change presents a major threat to our country.

Responses - 1. Does not align at all -> 5. aligns perfectly

Data

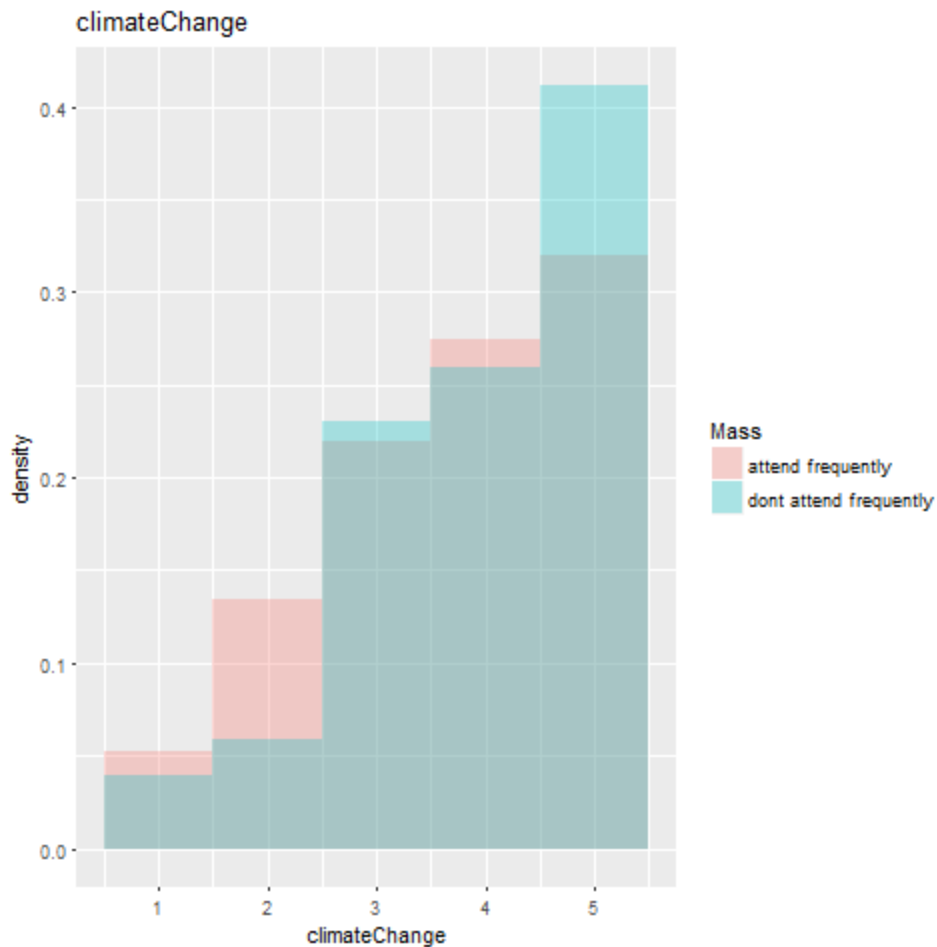
- Frequent mean = 3.675439
- Infrequent mean = 3.946078
- P value = 0.005047

Difference in Shape

- Both distributions are nearly identical with a significant left skew

Main Take away

- There appears to be no difference between the beliefs of the two groups. Overall students agree that climate change is a major threat to our country with an average response of 3.76 (aligns very well) and just over 10% of students disagreeing.



B: Beliefs on the Stances of the Church

Variable - dissentPoor

Question -church's stance on serving the needs of the poor and vulnerable

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

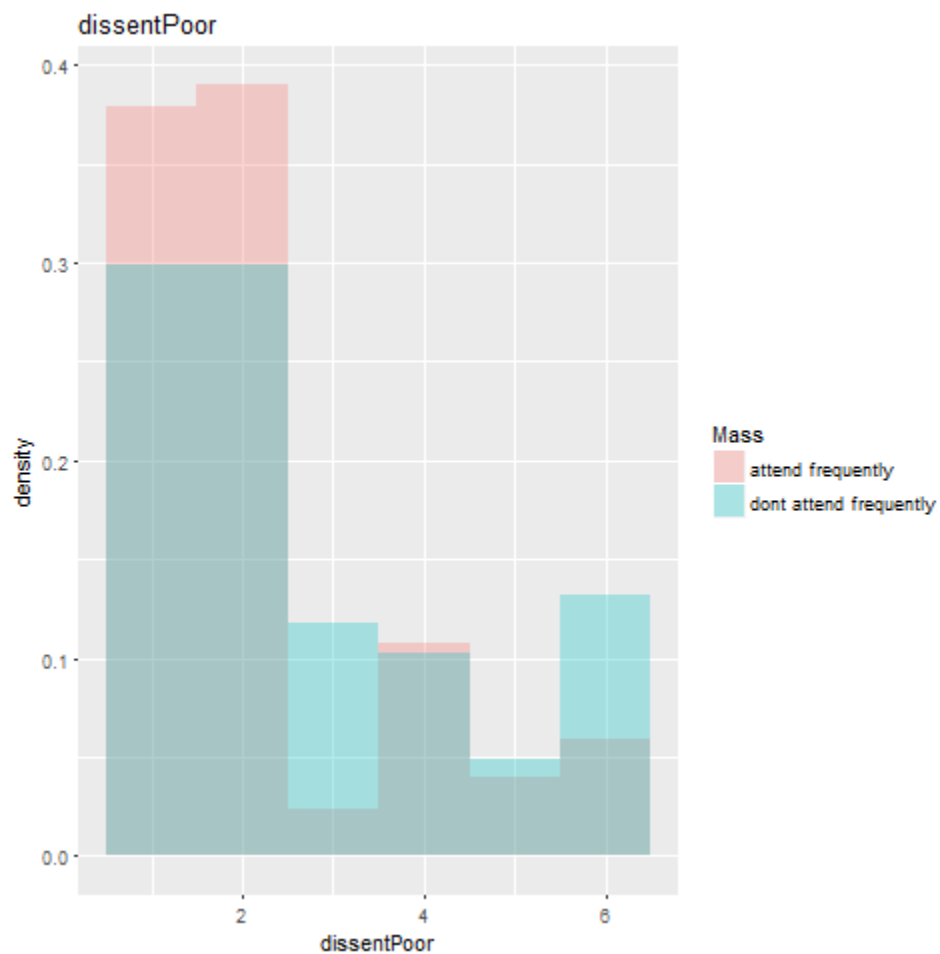
- Frequent mean = 2.214912
- Infrequent mean = 2.700980
- P value = 0.0004568

Difference in Shape

- Both groups show a strong left skew.

Main Take away

- There is not a strong difference between the groups. While those who attend mass frequently agree more with the church's stance of serving the needs of the poor and vulnerable both groups support overall. 77% of those who attend mass frequently support the stance and 60% of those who do not attend mass frequently support the stance.



Variable - dissentEuthanasia

Question -How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....euthanasia?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

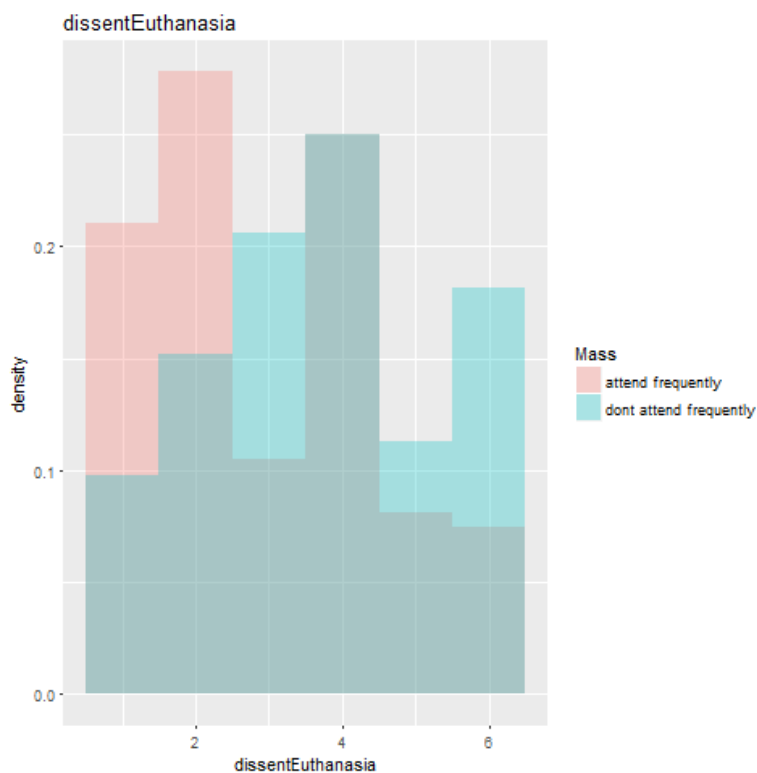
- Frequent mean = 2.936404
- Infrequent mean = 3.671569
- P value = 3.775e-08

Difference in Shape

- Attends mass frequently: Unsure about the church's stance on euthanasia, less than 50% are either for or against the Church's stance on Euthanasia.
- Does not attend mass frequently: Peak at 4, acceptable to disagree.

Main Take away

- There is a significant difference between the groups both statistically and graphically. For those who attend mass frequently, they are very split on the church's views on euthanasia, less than 50% of students are either for or against the church's stance on euthanasia. Those who do not attend mass frequently are against the church's stance on euthanasia. Their average response is very acceptable to disagree.



Variable - dissentSex

Question - How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....premarital sex?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

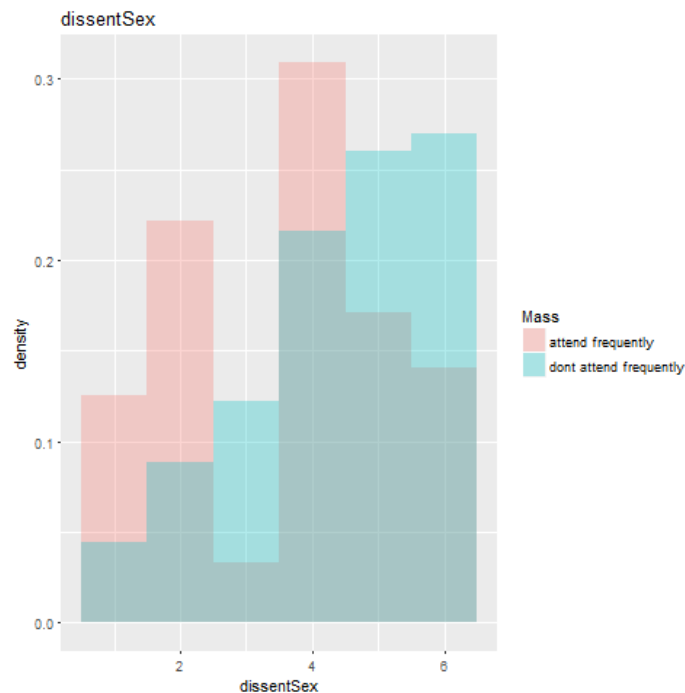
- Frequent mean = 3.601
- Infrequent mean = 4.367
- P value = 2.85×10^{-9}

Difference in Shape

- Attends mass frequently: unimodal distribution (discounting 3 “not sure”) with a peak at 4 (somewhat acceptable to disagree).
- Does not attend mass frequently: strong left skewed with a peak at 6 (completely acceptable to disagree).

Main Take away

- A significant difference in beliefs exists. Those who attend mass frequently are slightly against the church’s stance on premarital sex with an average and most frequent response of “unsure/slightly acceptable to disagree”. Those who do not attend mass frequently are strongly against the church’s stance on premarital sex with an average response of “slightly/completely acceptable to disagree” and the most frequent response being “completely acceptable”. Overall the average survey respondent student found it somewhat acceptable to disagree with the church's stance on premarital sex.



Variable - dissentHomosexual

Question -How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....sexual intercourse between two people of the same sex?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

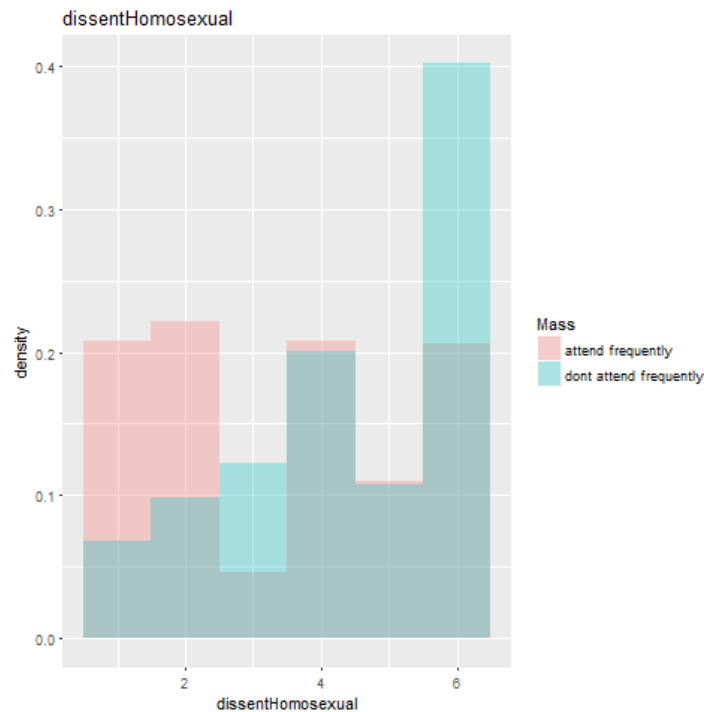
- Frequent mean = 3.408
- Infrequent mean = 4.387
- P value = 3.48×10^{-11}

Difference in Shape

- Attends mass frequently: Evenly distributed nearly flat responses.
- Does not attend mass frequently: strong right skew with a peak at 6 “completely acceptable to disagree”

Main Take away

- A significant difference exists. Those who attend mass frequently are split on the issue. Their average response was “unsure” and responded close to equally to each response. Those who don’t attend frequently are strongly against the church’s stance. More than 70% responded that it is acceptable to disagree with the church’s stance on the issue and more than 40% responded that it is completely acceptable to disagree. Overall the average survey respondent student found it somewhat acceptable to disagree with the church's stance on the sexual intercourse between same sex partners.



Variable - dissentDeath

Question -How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....the death penalty?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

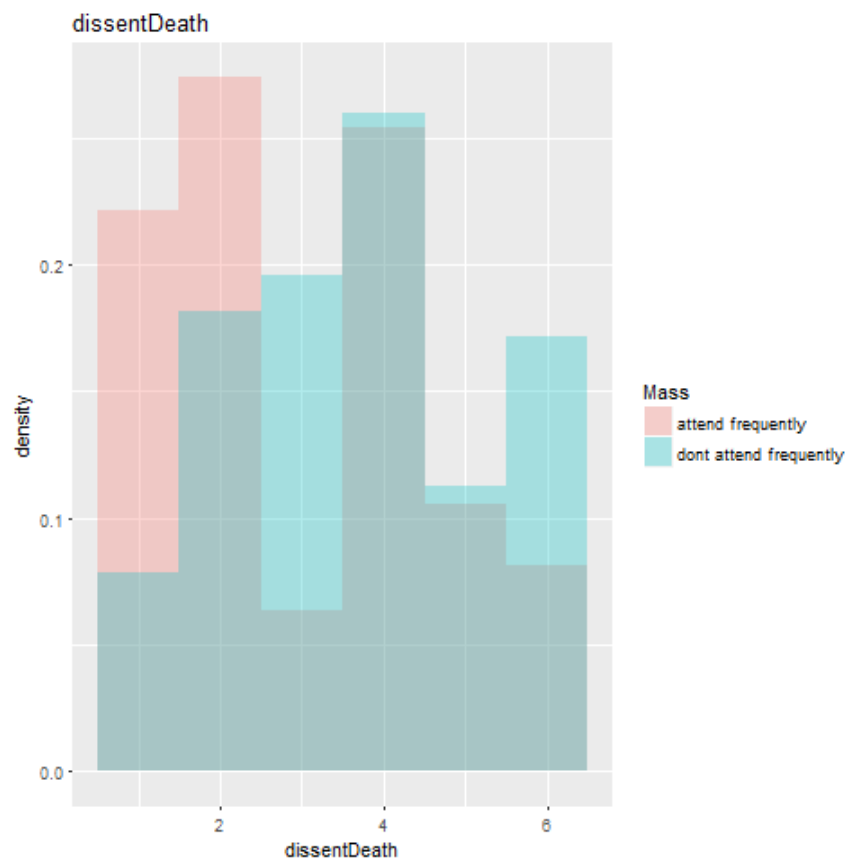
- Frequent mean = 2.991
- Infrequent mean = 3.662
- P value = 4.298×10^{-7}

Difference in Shape

- Attends mass frequently: unimodal with a peak shifted to the left at 2 (not very acceptable)
- Does not attend mass frequently: relatively unimodal with a peak at 3 (somewhat acceptable)

Take away

- There is a slight difference between the two groups. Those who attend mass frequently find it less acceptable to disagree with the church's stance on the death penalty with a mean of “unsure” vs “somewhat acceptable” for those who do not attend mass frequently. Overall the average survey respondent student found it somewhat acceptable to disagree with the church's stance on the death penalty.



Variable - dissentInfalible

Question -How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....the infallibility of papal teachings when declared ex cathedra?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

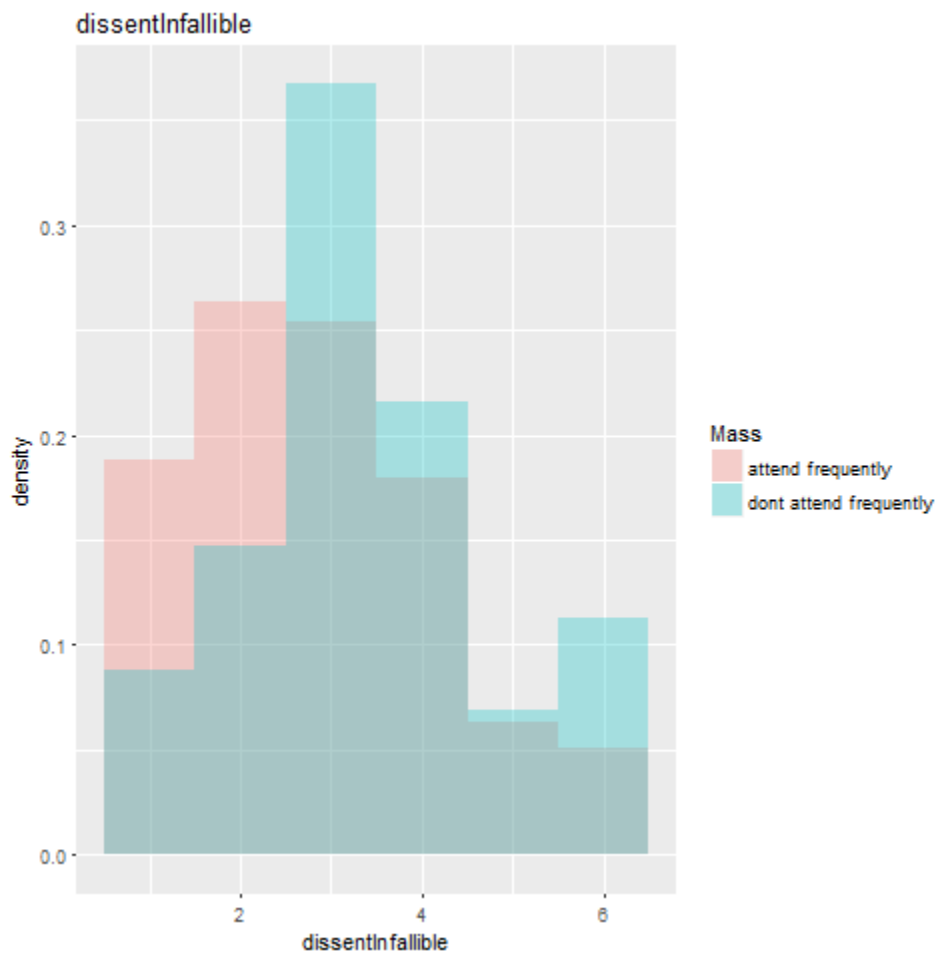
- Frequent mean = 2.818
- Infrequent mean = 3.368
- P value = 2.713×10^{-6}

Difference in Shape

- Attends mass frequently: Unimodal with a peak at 2 (not very acceptable) with a right skew.
- Does not attend mass frequently: Unimodal with a peak at 3 (unsure).

Main Take away

- While students who attend mas more frequently, believe in the infallibility of papal teachings more than those who do not. There is not a large difference graphically. In general students have an average response of “unsure”.



Variable - dissentEnvironment

Question -How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....care for the earth and environment?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

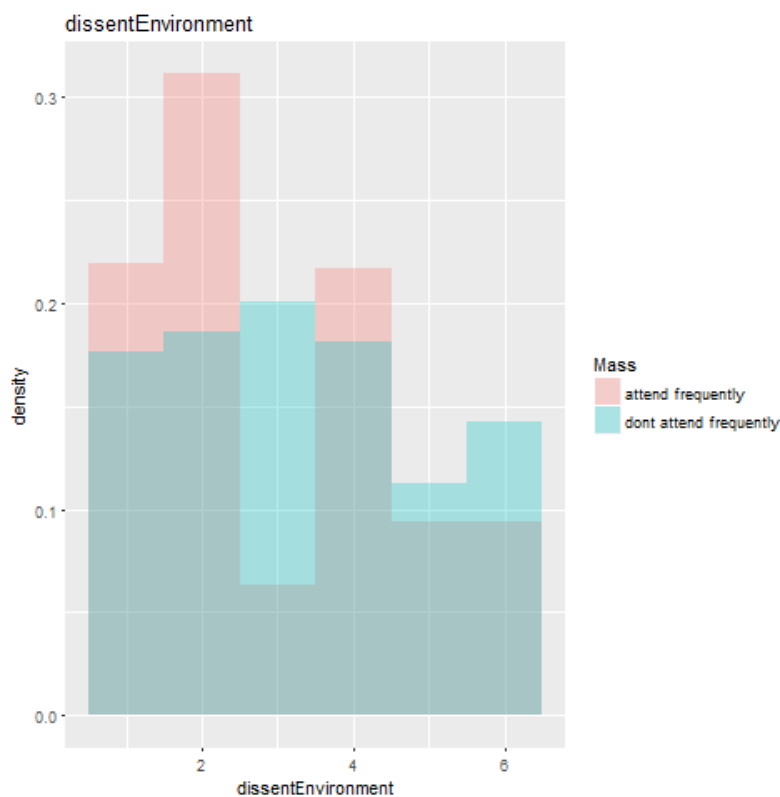
- Frequent mean = 2.939
- Infrequent mean = 3.294
- P value = 0.011

Difference in Shape

- Attends mass frequently: unimodal with a peak at 2 (not very acceptable) - much steeper
- Does not attend mass frequently: very flat unimodal distribution with a peak at 3(unsure)

Take away

- The two groups do not differ significantly in their beliefs although those who attend mass more frequently find it less acceptable to disagree on the church's position on protecting the earth and environment. Overall the average response is “unsure”.



Variable - dissentAbortion

Question -How acceptable is it for a Roman Catholic to disagree with the Roman Catholic Church's position on.....Abortion?

Responses - 1. Not Acceptable at all -> 6. Completely Acceptable (3 = not sure)

Data

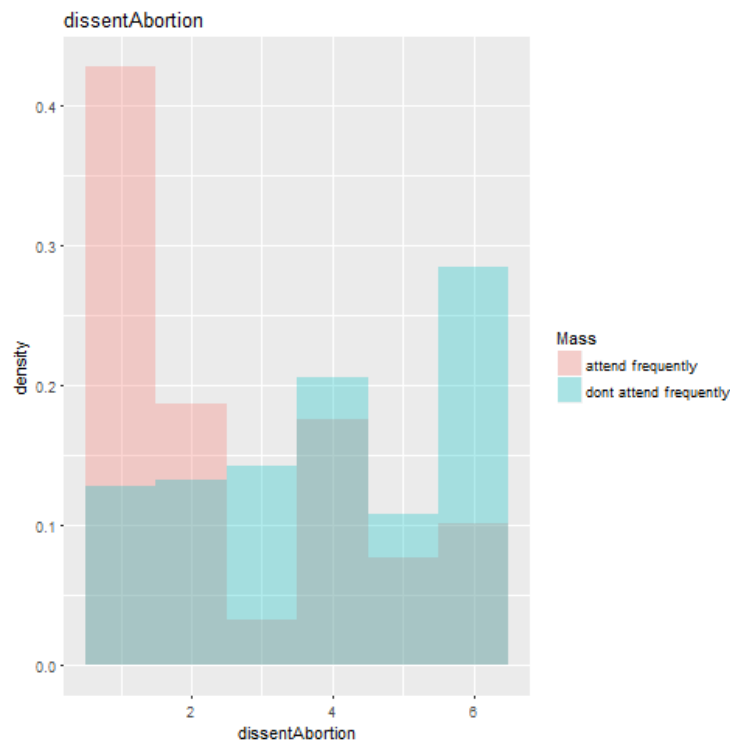
- Frequent mean = 2.590
- Infrequent mean = 3.887
- P value = 2.2×10^{-16}

Difference in Shape

- Attends mass frequently: Strong right skew. Those who attend mass frequently find it very unacceptable to disagree with the church's position on abortion with 45% saying it is not acceptable at all to disagree.
- Does not attend mass frequently: Decent left skew, those who don't attend frequently find it acceptable to disagree with the catholic church's position on Abortion

Main Take away

- Those who do and do not attend mass frequently have significantly different views on the Catholic church's stance on abortion. Those who do not attend mass frequently believe towards the side of it being acceptable to disagree (mean 3.887) while those who attend frequently overall say it is not acceptable to disagree (mean 2.590)



C: RISKY COLLEGE BEHAVIORS

Variable - drankAlcohol

Question -How frequently, if at all, did you do each of the following during the past six months?Drank alcohol, not including at religious services

Responses - 1. Never-> 6. More than once per week

Data

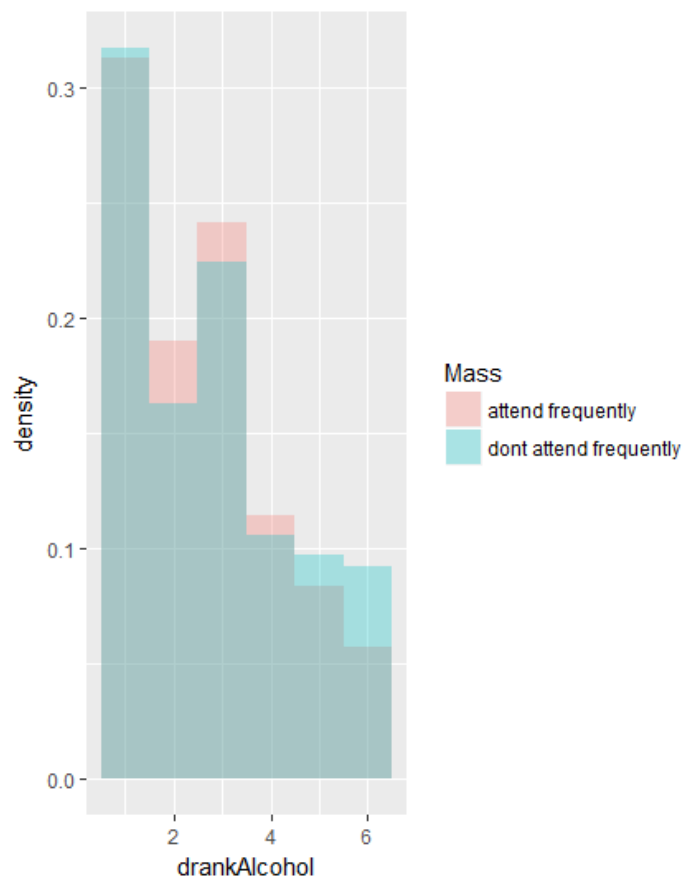
- Frequent mean = 2.638037
- Infrequent mean = 2.779736
- P value = 0.2728

Difference in Shape

- Both groups display a similar shape with a peak at 1 (Never) and a strong right skew.

Main Take away

- The most frequent response is that students do not drink and than a decreasing but significant portion drink at each increasing level of frequency. There is no significant difference in habit between those that do and do not attend mass frequently.



Variable - helped alcohol

Question -How frequently, if at all, did you do each of the following during the past six months? Assisted a friend who had consumed too much alcohol

Responses - 1. Never -> 6. More than once per week

Data

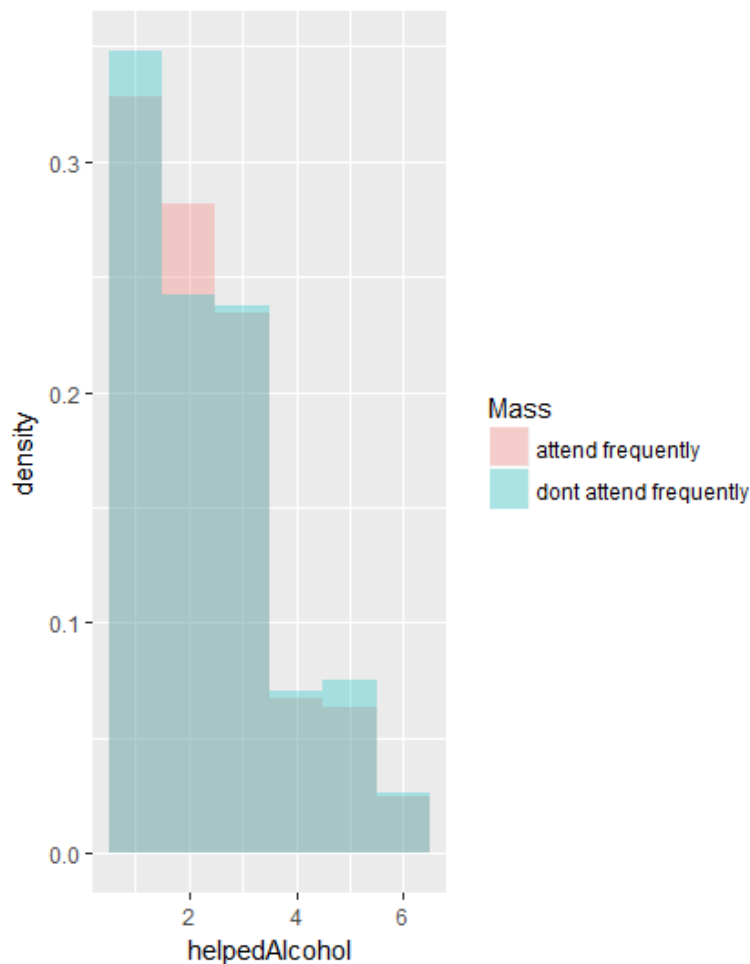
- Frequent mean = 2.328571
- Infrequent mean = 2.361233
- P value = 0.7615

Difference in Shape

- Both groups display a similar shape with a peak at 1 (Never) and a strong right skew.

Main Take away

- There is almost no difference between the two groups. The most frequent response is that students have not assisted a friend who consumed too much alcohol, however, there is a significant portion that helped at each increasing level of frequency.



Variable - smokedPot

Question -How frequently, if at all, did you do each of the following during the past six months?Used marijuana

Responses - 1. Never -> 6. More than once per week

Data

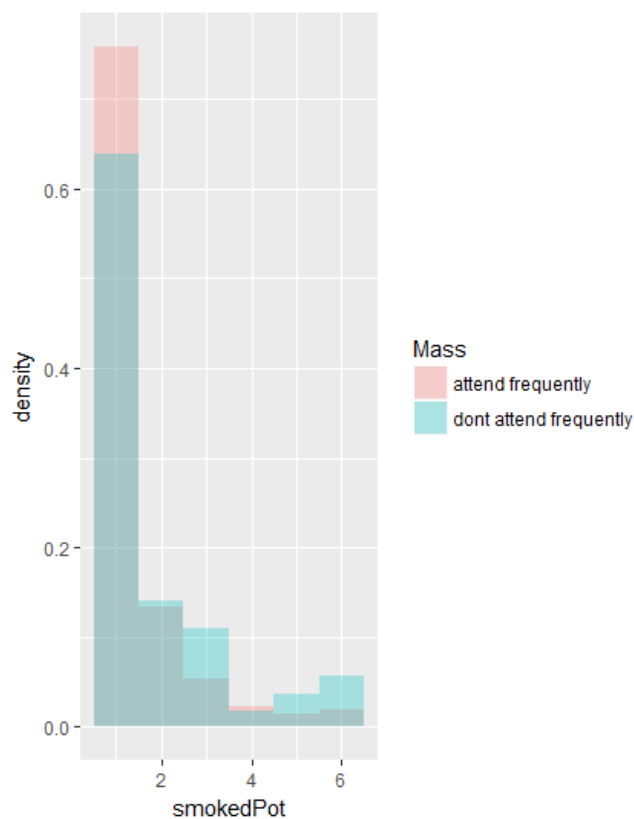
- Frequent mean = 1.724812
- Infrequent mean = 1.841410
- P value = 0.0002918

Difference in Shape

- Both groups display a similar shape with a high peak at 1 (Never) and a strong right skew.

Main Take away

- Although those who do not attend mass have a slightly higher propensity to smoke pot, there is very little difference between the two groups. Overall over 70% of students reported that they have not smoked pot within the last 6 months.



Variable - Avoided

Question -How frequently, if at all, did you do each of the following during the past six months?Avoided a situation because of the likely presence of alcohol or marijuana

Responses - 1. Never -> 6. More than once per week

Data

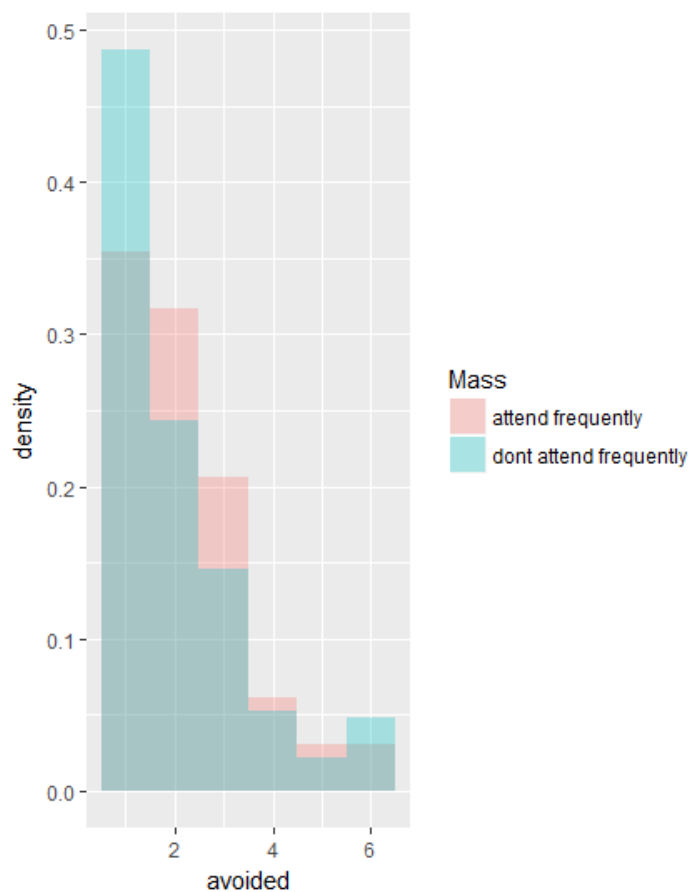
- Frequent mean = 2.190184
- Infrequent mean = 2.026549
- P value = 0.1236

Difference in Shape

- Both groups display a similar shape, the most frequent response is never and there are strong right skews, however those who attend mass frequently have a stronger skew.

Main Take away

- The difference in avoiding situations due to the presence of alcohol and marijuana is minimal but significant. Both groups show a similar distribution shape, showing that increasingly less and less people avoid more and more situations due to alcohol and marijuana, but those who attend mass more frequently are more likely to do so.



Variable -Hadsex

Question -Have you ever had sexual intercourse

Responses - 0. No 1. Yes

Data

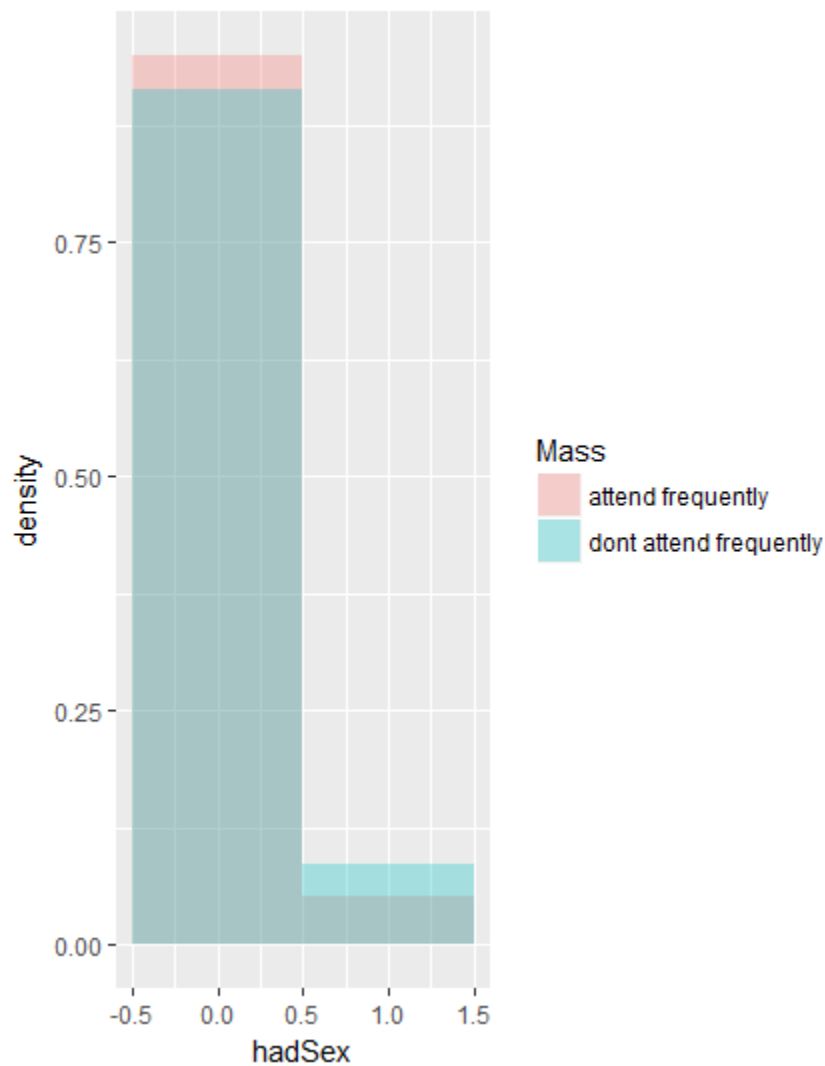
- Frequent mean = 0.05079365
- Infrequent mean = 0.08620690
- P value = 0.2231

Difference in Shape

- Both show nearly the same shape with the vast majority answering 0 (Never) .

Main Take away

- Out of the survey respondents the vast majority had not had sexual intercourse. 95% of those who did not attend mass frequently had not had sex and 91% of those who did not attend mass frequently had not had sex.



Variable - sexFreq

Question -How frequently, if at all, did you have sexual intercourse during the past six months?

Responses - 1. Never -> 6. More than once per week

Data

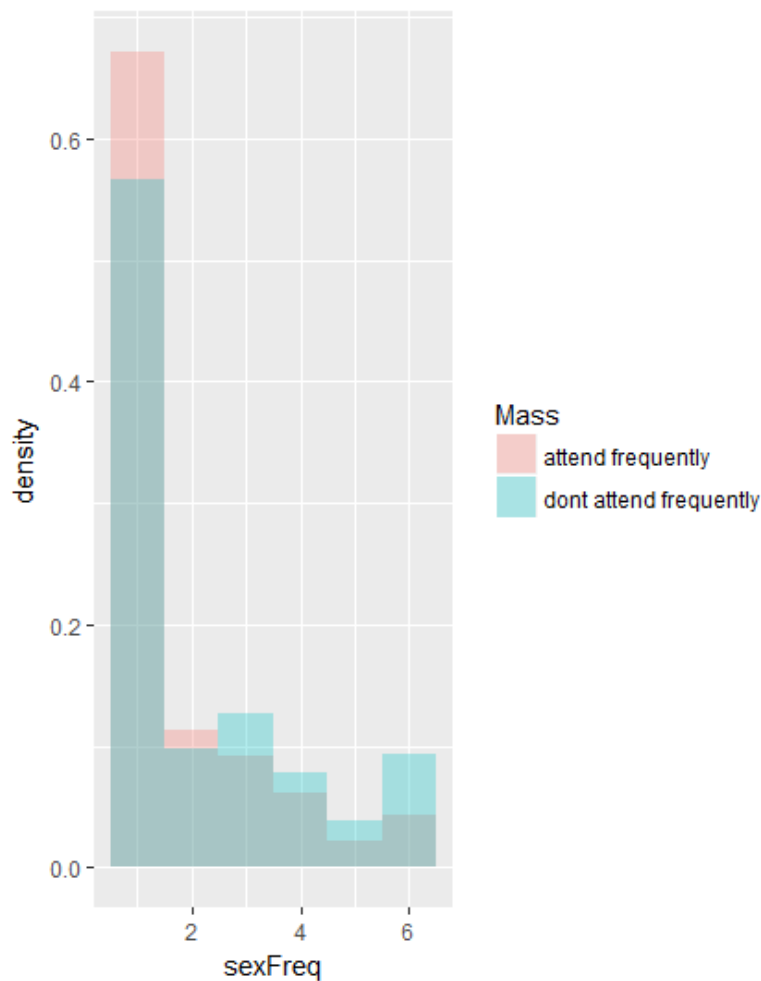
- Frequent mean = 1.775424
- Infrequent mean = 2.204878
- P value = 0.001328

Difference in Shape

- Both groups display a similar shape with a large peak at 1 (never) and a strong right skew. However; those who attended mass more frequently display a slightly stronger skew.

Main Take away

- There is not much of a difference between those who attend mass frequently and those who do not. Overall nearly 2/3 students responded that they had never had sex.



Variable -ShortTerm

Question -Were any of those times with someone whom you were not in a long-term relationship with? (question only asked for those who answered yes to HadSex)

Responses - 0. No 1. Yes

Data

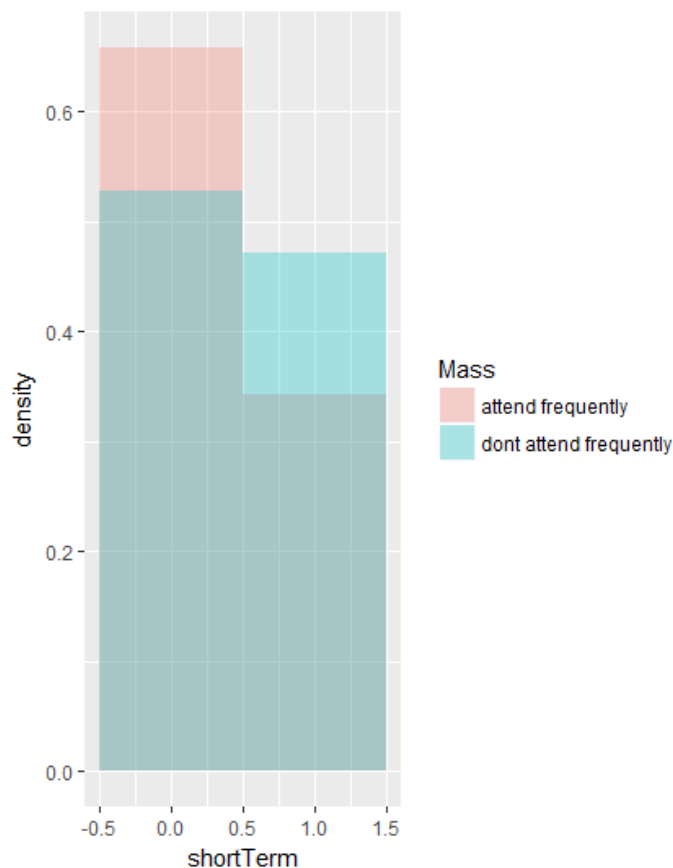
- Frequent mean = 0.3419355
- Infrequent mean = 0.4719101
- P value = 0.04885

Difference in Shape

- Attends mass frequently: About 2/3 of those who had sex reported that it was with a long term partner.
- Does not attend mass frequently: About 1/2 of those who had sex reported that it was with a long term partner.

Main Take away

- Those who do not attend mass are more likely (48%) than those who attend mass regularly(35%) to have had sex with someone who was not a long term partner, if they had had sex in the last 6 months.



(Which group was this asked to???? Over 400 NA)

Variable -sexRefrain

Question -Do you intend to refrain from sexual intercourse until you are married?

Responses - 0. No 1. Yes

Data

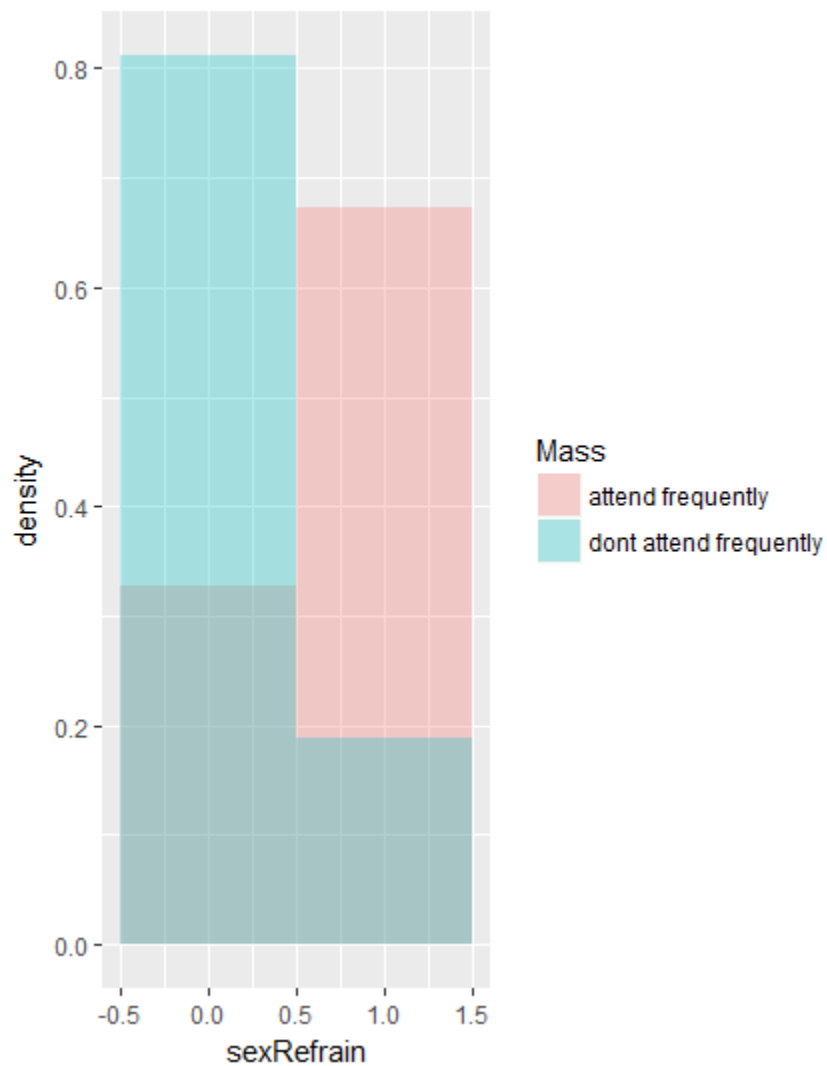
- Frequent mean = 0.6719577
- Infrequent mean = 0.1884058
- P value = 8.461e-14

Difference in Shape

- Attends mass frequently:
- Does not attend mass frequently:

Main Take away

- While there is not a big difference in past sexual statistics there is a huge difference in future intentions - check this because it seems maybe too significant



Variable -Porn

Question -How frequently, if at all, did you use pornographic media (such as magazines, videos, or chat services) during the past six months?

Responses - 1. Less than once a month -> 6. More than once per week

Data

- Frequent mean = 2.22978
- Infrequent mean = 2.607843
- P value = 0.01045

Difference in Shape

- No significant difference in shape, both groups show a strong right skew.

Main Take away

- Those who do not attend mass are slightly more likely to have watched porn in the last 6 months. However; the difference is small and there is no difference in the shape of the distributions about 57% of those who do not attend mass frequently and 45% of those who do attend mass frequently. have watched pron in the last 6 months.

