

Data Analysis

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Data Analysis

This section presents a description of the demographic information of the respondents.

Demographic information

```
#degree
```

```
freq(What.degree.are.you.currently.studying.for.)
```

```
## Frequencies
```

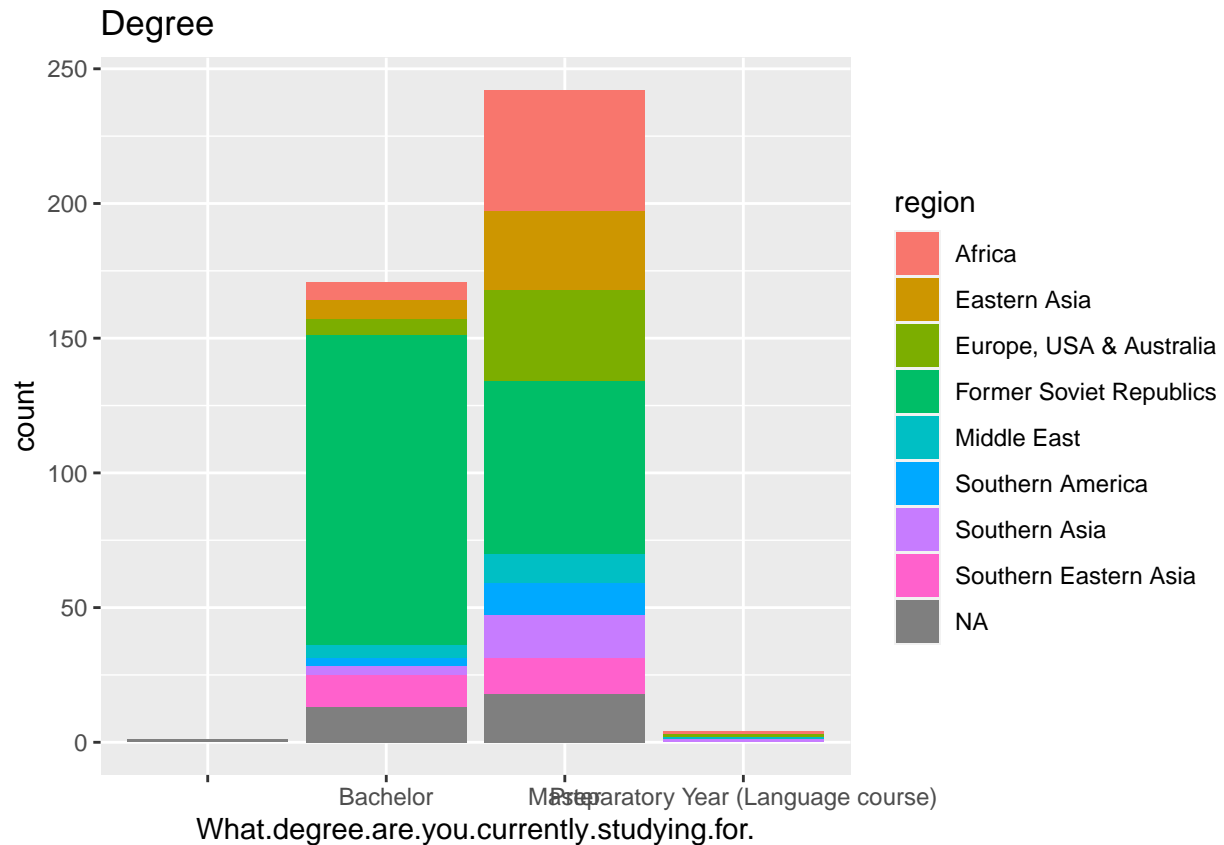
```
## What.degree.are.you.currently.studying.for.
```

```
## Type: Factor
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
(Empty string)	1	0.24	0.24	0.24	0.24
Bachelor	171	40.91	41.15	40.91	41.15
Master	242	57.89	99.04	57.89	99.04
Preparatory Year (Language course)	4	0.96	100.00	0.96	100.00
<NA>	0			0.00	100.00
Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=What.degree.are.you.currently.studying.for., fill=region)) + geom_bar() + labs(title=
```



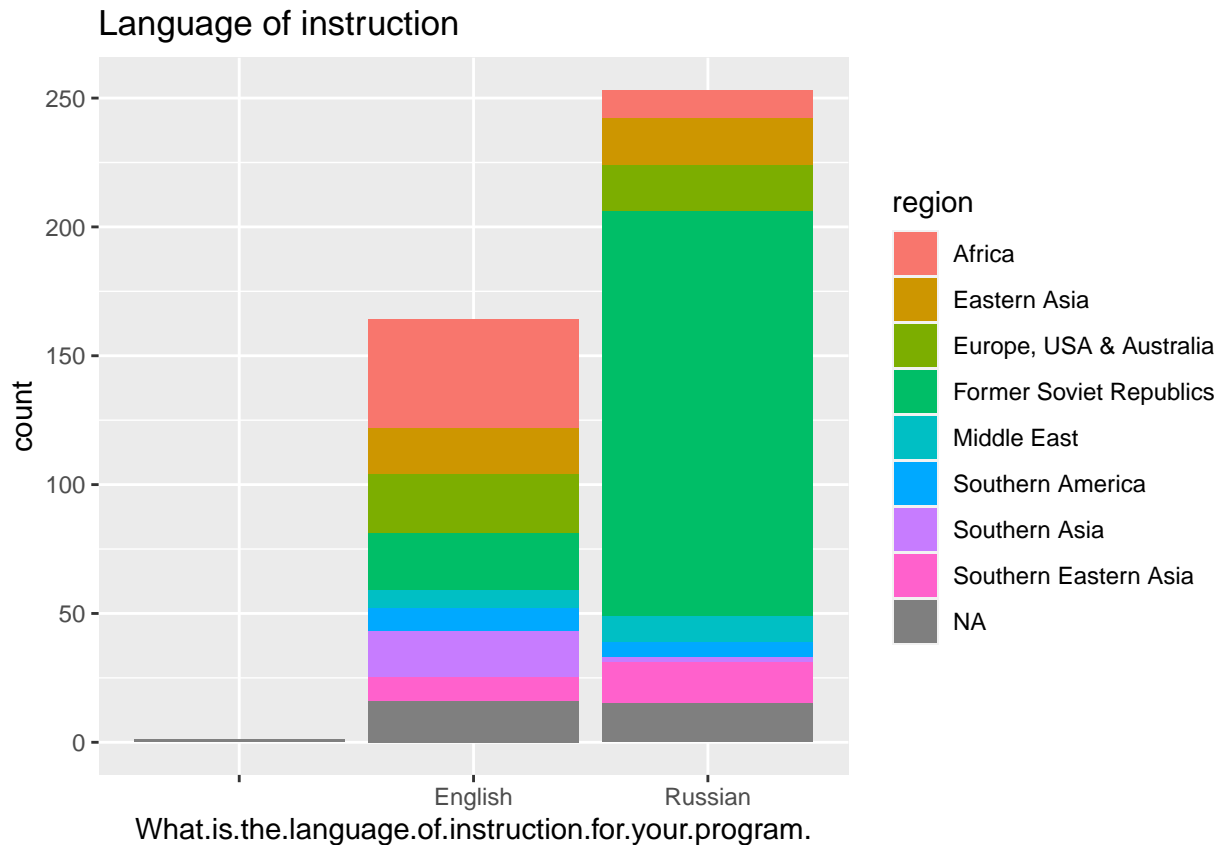
The table presents the shares of respondents pursuing their degrees. It shows that 58% of the respondents are pursuing their masters studies, 41% whilst 1% are in their preparatory year. The plot presents the level of education of respondents with reference to their region of origin. It can be seen that majority of students are from Former Soviet Republics.

```
#language of instruction
freq(What.is.the.language.of.instruction.for.your.program.)
```

```
## Frequencies
## What.is.the.language.of.instruction.for.your.program.
## Type: Factor
##
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
(Empty string)	1	0.24	0.24	0.24	0.24
English	164	39.23	39.47	39.23	39.47
Russian	253	60.53	100.00	60.53	100.00
<NA>	0			0.00	100.00
Total	418	100.00	100.00	100.00	100.00

```
plot2 <- ggplot(data, aes(x=What.is.the.language.of.instruction.for.your.program., fill=region)) + geom_bar()
print(plot2)
```



The table presents the shares of the language of instruction for the programs respondents are studying. Majority of the respondents 61% are taking programs in Russian whilst 39% are studying in English programs. The plot shows that students from Africa dominate students taking the English programs whilst students from the former Soviet Republics are in the majority for respondents taking Russian programs.

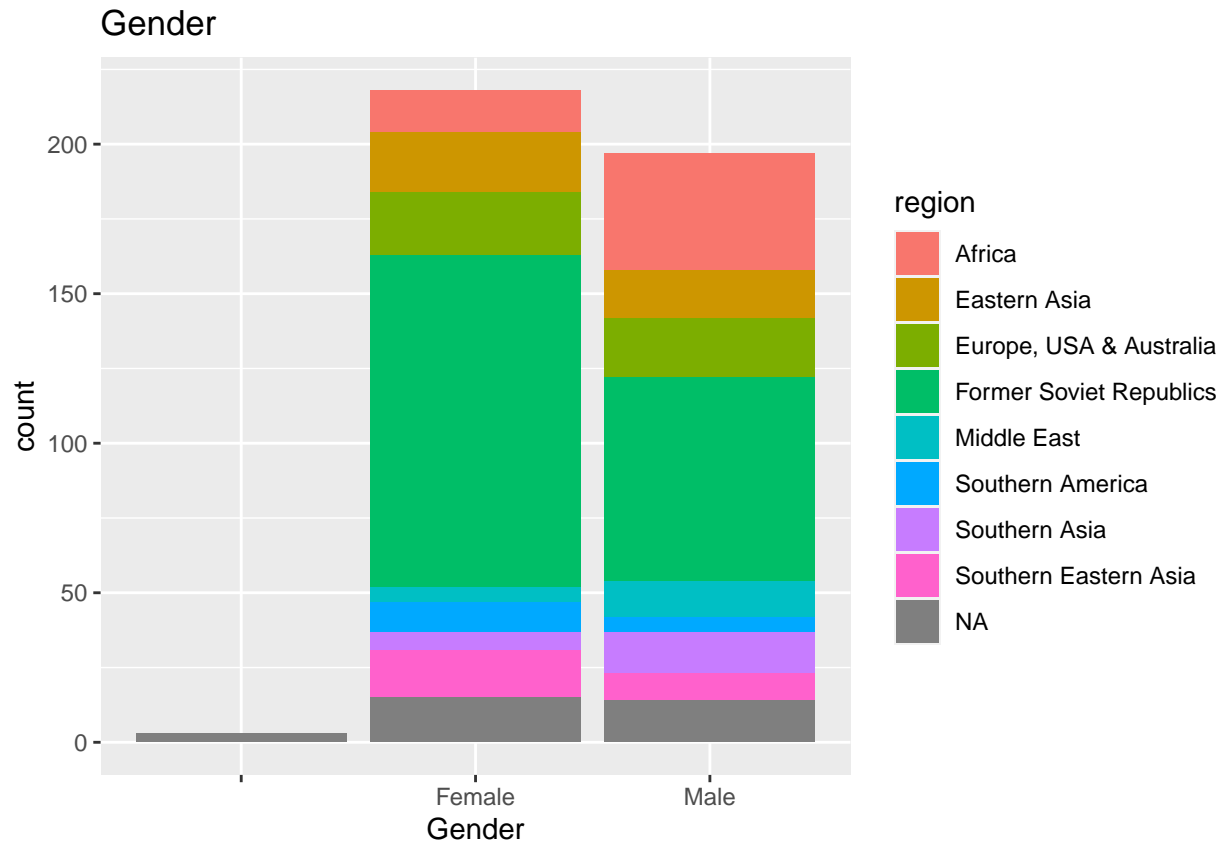
#Gender

freq(Gender)

```
## Frequencies
## Gender
## Type: Factor
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
(Empty string)	3	0.72	0.72	0.72	0.72
Female	218	52.15	52.87	52.15	52.87
Male	197	47.13	100.00	47.13	100.00
<NA>	0			0.00	100.00
Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=Gender, fill=region)) + geom_bar() + labs(title="Gender")
```

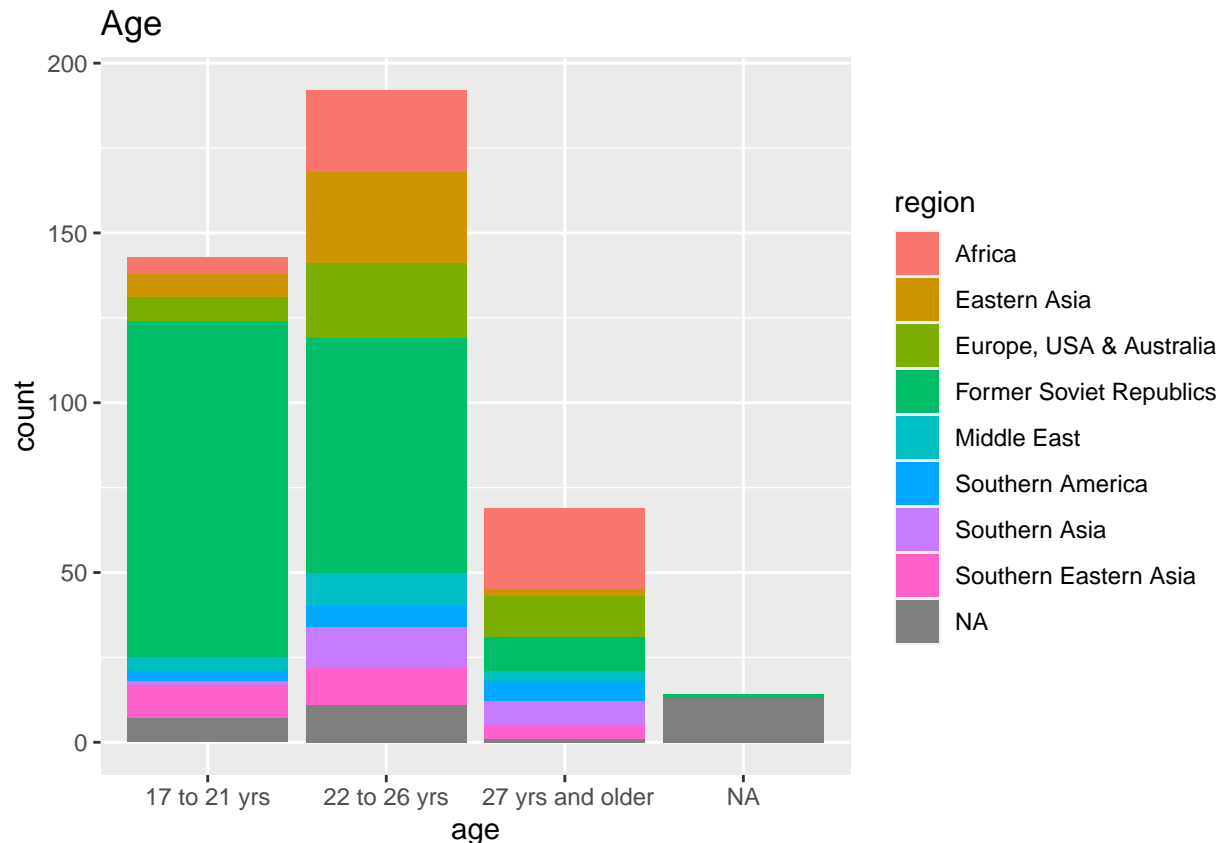


The table reports that 52% of the respondents are females whilst 47% are males. the plots presents the gender distribution across the regions.

```
#Age
freq(age)
```

```
## Frequencies
## age
## Type: Factor
##
##           Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      17 to 21 yrs    143    35.40      35.40    34.21    34.21
##      22 to 26 yrs    192    47.52      82.92    45.93    80.14
##      27 yrs and older    69    17.08     100.00    16.51    96.65
##      <NA>             14         3.35         3.35    100.00
##      Total         418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=age, fill=region)) + geom_bar() + labs(title="Age")
```



The table reports that 48% of the respondents are within the age range (22 to 26 yrs), 35% are within the age range (17 to 21 yrs) and 18% are within the age cohort of 27 yrs and older. The plot presents the age distribution across the regions.

Factors influencing the decision to study in Russia

This section presents the factors that influenced the decision of international students to study in Russia. It will establish the push factors that account for students decision to leave their home country and the pull factors in Russia and HSE that influenced their decision to study. Finally, this section will present a linear regression to explain statistically significant push and pull factors.

The influence of the push factors was measured with a scale of 1 (not at all influential), 2 (slightly influential), 3 (somewhat influential), 4 (very influential) and 5 (extremely influential). For the purposes of this analysis, the shares of scales 1 and 2 will be summed up and presented as 'not at all influential'. Similar aggregation will be done for scales 4 and 5 with the resulting scale presented as very influential. the scale 3 will be to depict respondents' uncertainty on a factors influence.

push factors in Home country (Descriptive analysis)

The factors that influenced respondents' decision to leave their home country and study abroad is discussed in the ensuing paragraphs. .

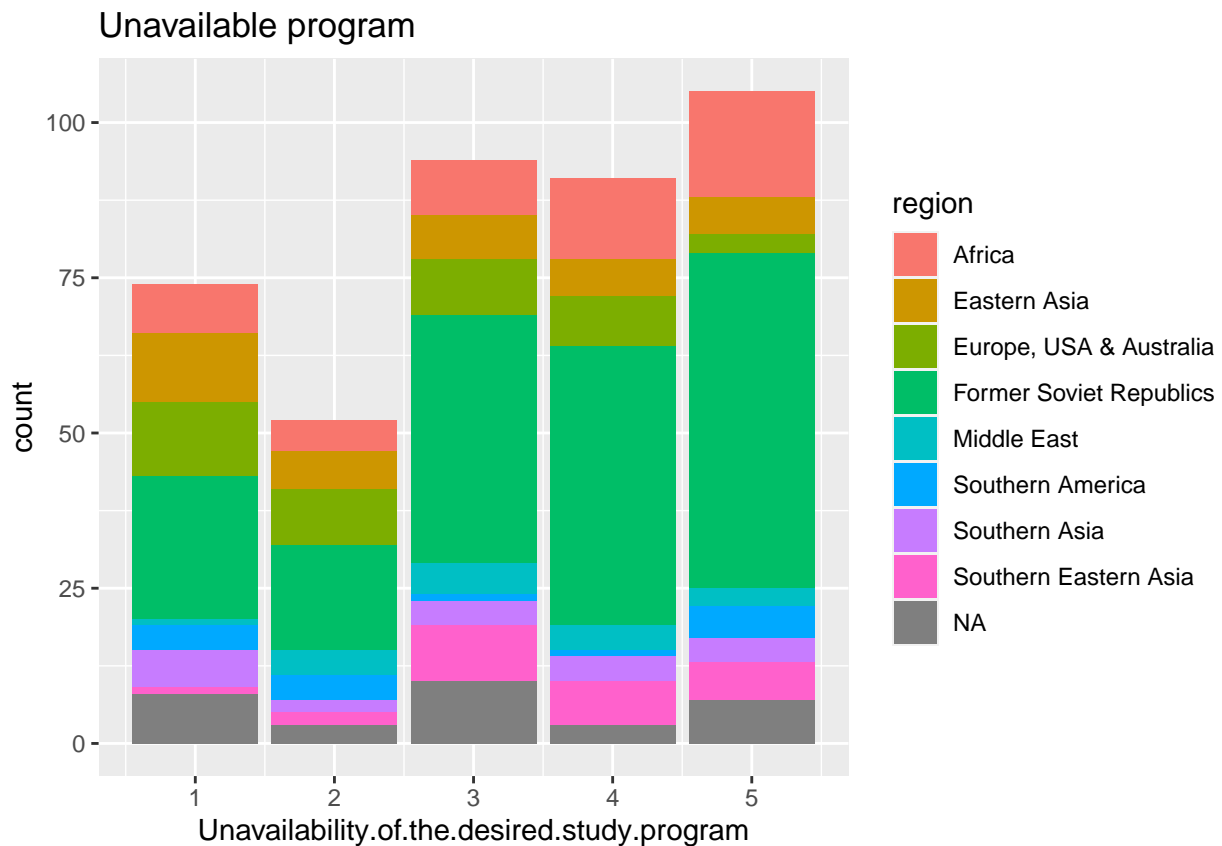
```
#unavailable program
freq(Unavailability.of.the.desired.study.program)
```

```
## Frequencies
## Unavailability.of.the.desired.study.program
##
```

```
##           Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##           1    74    17.79    17.79    17.70    17.70
##           2    52    12.50    30.29    12.44    30.14
##           3    94    22.60    52.88    22.49    52.63
##           4    91    21.88    74.76    21.77    74.40
##           5   105    25.24   100.00    25.12    99.52
##          <NA>     2         0.00     0.48   100.00
##          Total  418   100.00   100.00   100.00   100.00
```

```
ggplot(data, aes(x=Unavailability.of.the.desired.study.program, fill=region)) + geom_bar() + labs(title=
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```



The results show that majority of respondents with shares (47%) reported that the unavailability of the desired program accounted for their decision to leave their home country and study abroad. The plot presents the distribution of this push factor across the regions with its position prominent among students from the Former Soviet Republics and Africa.

```
#low quality of education
freq(Low.quality.of.education)
```

```
## Frequencies
```

```
## Low.quality.of.education
```

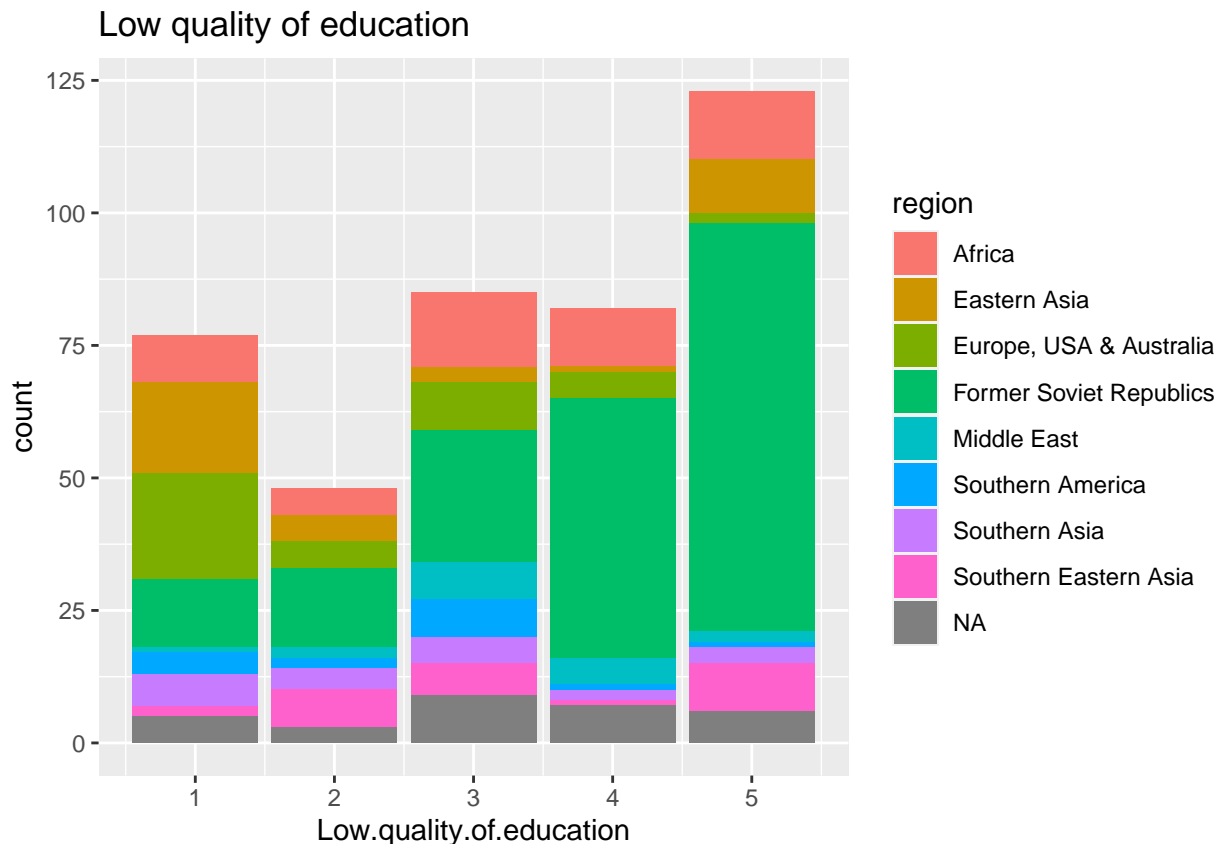
```
##
```

```
##           Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##           1    77    18.55    18.55    18.42    18.42
##           2    48    11.57    30.12    11.48    29.90
```

```
##           3      85      20.48      50.60      20.33      50.24
##           4      82      19.76      70.36      19.62      69.86
##           5     123      29.64     100.00      29.43      99.28
##          <NA>      3              0.72     100.00
##          Total    418     100.00     100.00     100.00     100.00
```

```
ggplot(data, aes(x=Low.quality.of.education, fill=region)) + geom_bar() + labs(title="Low quality of education")
```

```
## Warning: Removed 3 rows containing non-finite values (stat_count).
```



The results reflect that low quality of education (with shares 50%) also account for respondents decision to leave their home country. The plot shows that the influence of this push factor is dominant among students from the Former Soviet Republics, Africa, Eastern Asia and Southern Eastern Asia.

```
#competitive University admission in home country
```

```
freq(Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution)
```

```
## Frequencies
```

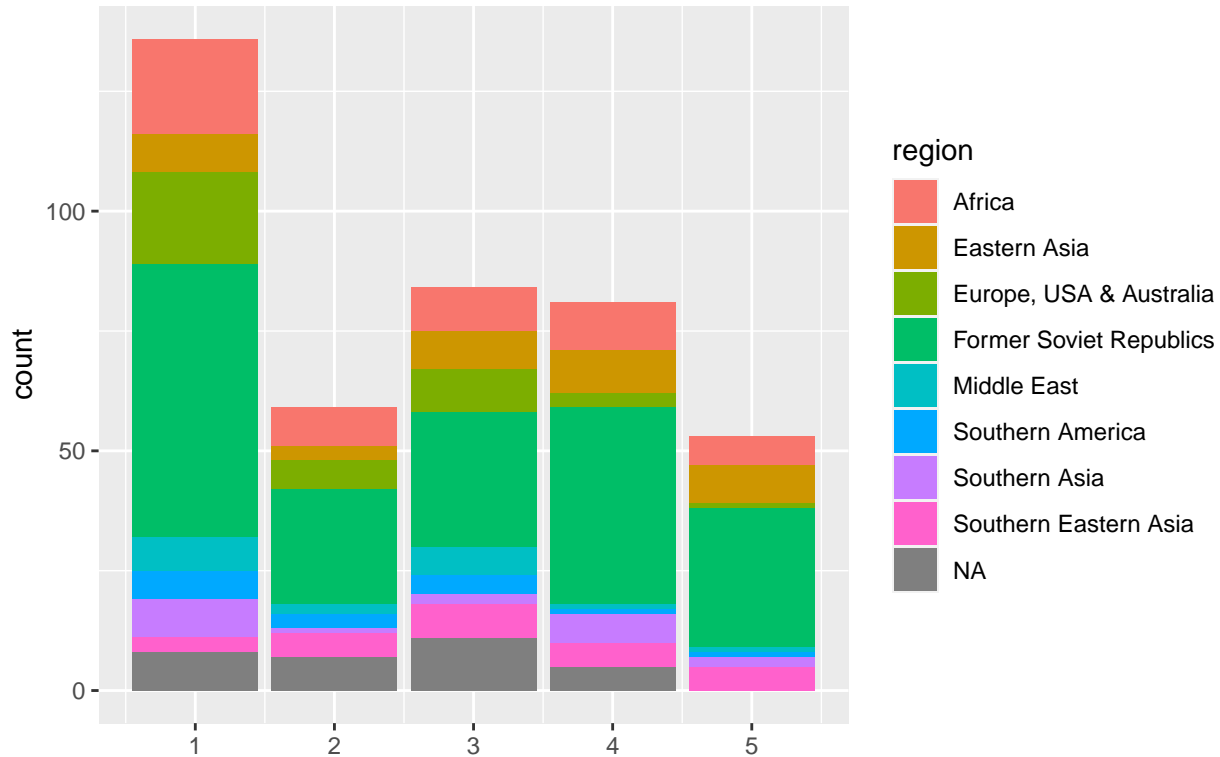
```
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution
```

```
##
##           Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##           1    136    32.93      32.93    32.54    32.54
##           2     59    14.29      47.22    14.11    46.65
##           3     84    20.34      67.55    20.10    66.75
##           4     81    19.61      87.17    19.38    86.12
##           5     53    12.83     100.00    12.68    98.80
##          <NA>      5              1.20    100.00
##          Total    418     100.00     100.00    100.00    100.00
```

```
ggplot(data, aes(x=Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution
```

```
## Warning: Removed 5 rows containing non-finite values (stat_count).
```

Competitive University Admission



```
e.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution
```

Majority of the respondents (47%) reported that difficulty in gaining admission to a quality local institution was not influential in their decision to leave their home country. This position, as depicted in the graph, is held by students from the Former Soviet Republics, Africa and Europe, USA & Australia.

#Advantage of international degree

```
freq(Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market)
```

```
## Frequencies
```

```
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market
```

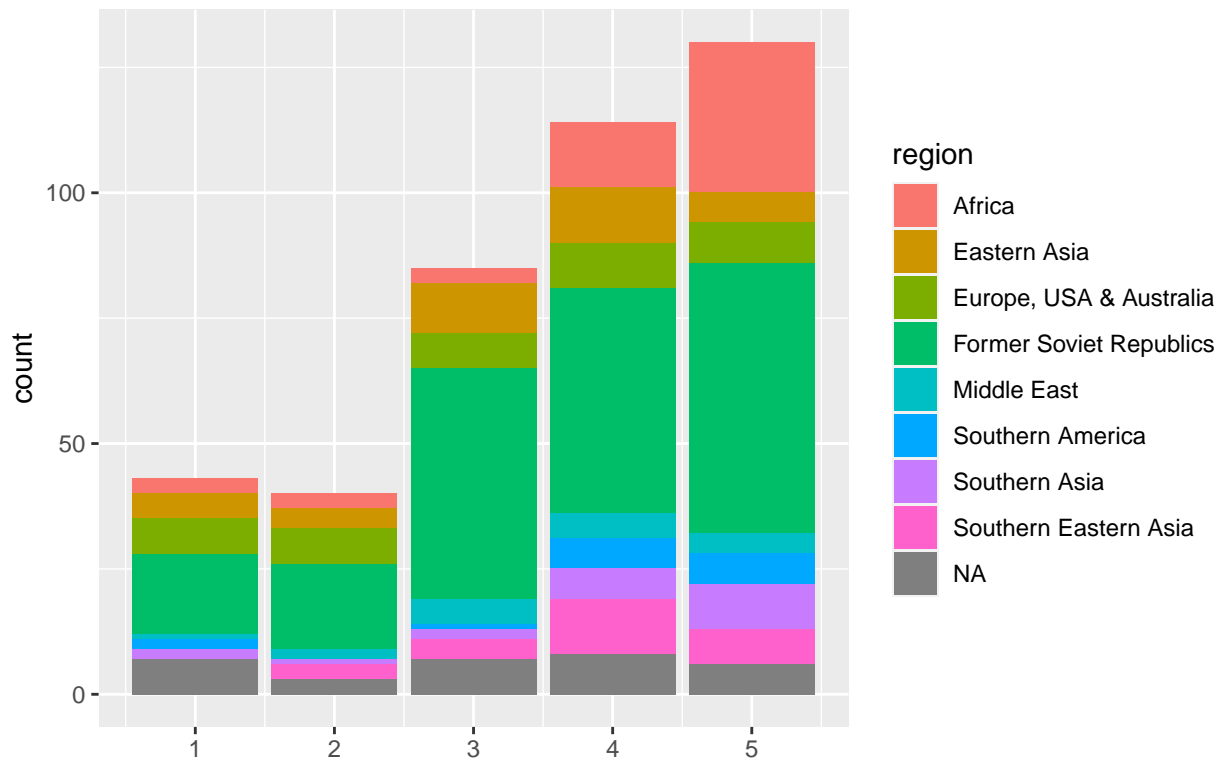
```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	43	10.44	10.44	10.29	10.29
2	40	9.71	20.15	9.57	19.86
3	85	20.63	40.78	20.33	40.19
4	114	27.67	68.45	27.27	67.46
5	130	31.55	100.00	31.10	98.56
<NA>	6			1.44	100.00
Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market
```

```
## Warning: Removed 6 rows containing non-finite values (stat_count).
```


Perceived advantage of international degree



eived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market

The result highlights the position that the perceived advantage of international degree over a local one in the home country (with shares 59%) was influential in respondents decision to study abroad.

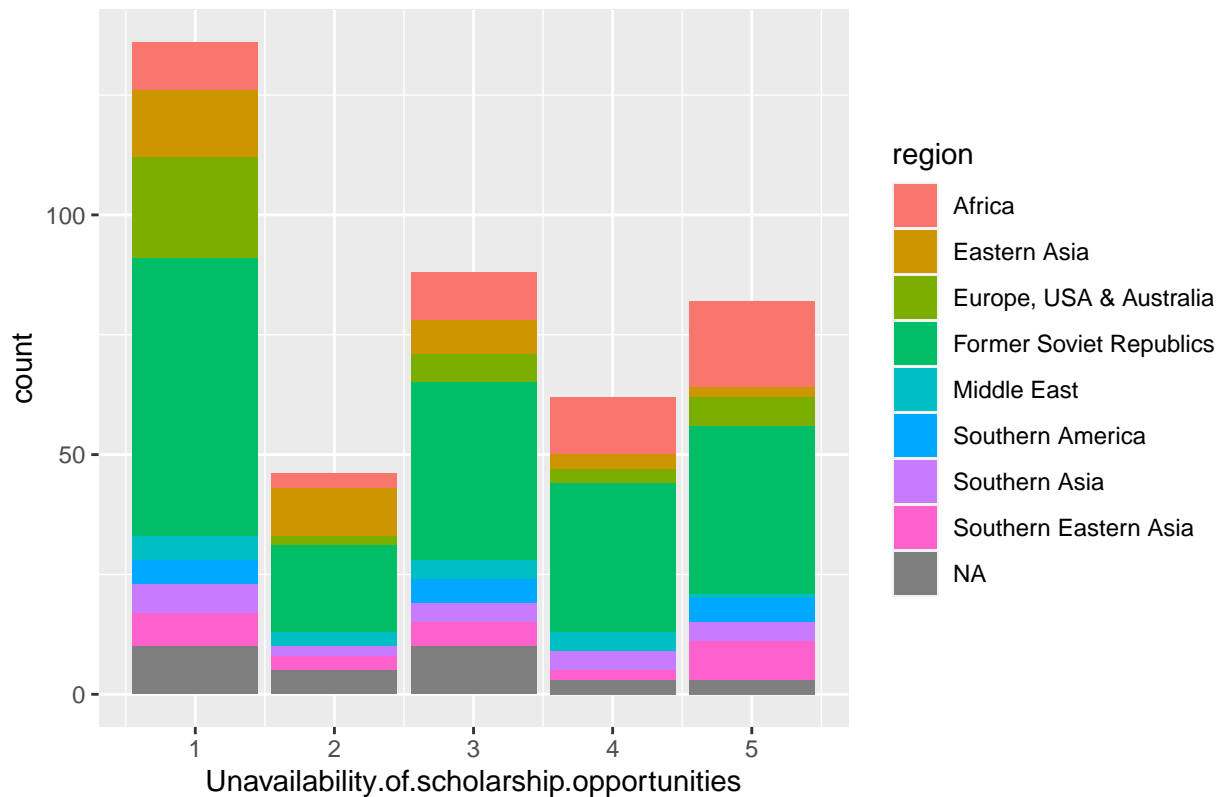
```
#Unavailability of scholarship
freq(Unavailability.of.scholarship.opportunities)
```

```
## Frequencies
## Unavailability.of.scholarship.opportunities
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    136    32.85      32.85    32.54    32.54
##      2     46    11.11      43.96    11.00    43.54
##      3     88    21.26      65.22    21.05    64.59
##      4     62    14.98      80.19    14.83    79.43
##      5     82    19.81     100.00    19.62    99.04
##     <NA>      4      0.96      100.00     0.96   100.00
##     Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Unavailability.of.scholarship.opportunities, fill=region)) + geom_bar() + labs(title=
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```

Unavailability of scholarship



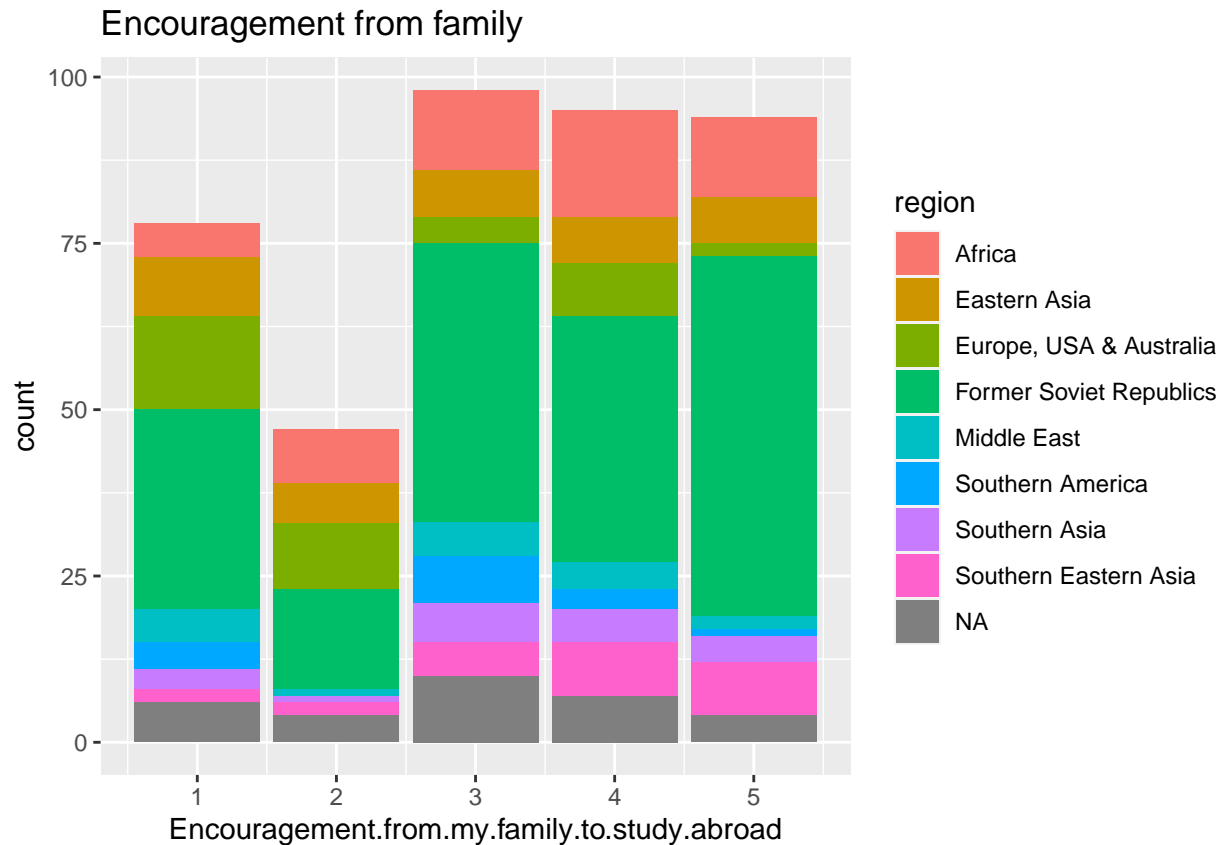
The result show that majority of the respondents (44%) reflect that the unavailability of scholarship opportunities was not influential in their decision to leave their home country.

```
#encouragement from family
freq(Encouragement.from.my.family.to.study.abroad)
```

```
## Frequencies
## Encouragement.from.my.family.to.study.abroad
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    78    18.93    18.93    18.66    18.66
##      2    47    11.41    30.34    11.24    29.90
##      3    98    23.79    54.13    23.44    53.35
##      4    95    23.06    77.18    22.73    76.08
##      5    94    22.82    100.00   22.49    98.56
##     <NA>     6         1.44    100.00
##     Total  418   100.00    100.00   100.00   100.00
```

```
ggplot(data, aes(x=Encouragement.from.my.family.to.study.abroad, fill=region)) + geom_bar() + labs(title="Unavailability of scholarship")
```

```
## Warning: Removed 6 rows containing non-finite values (stat_count).
```



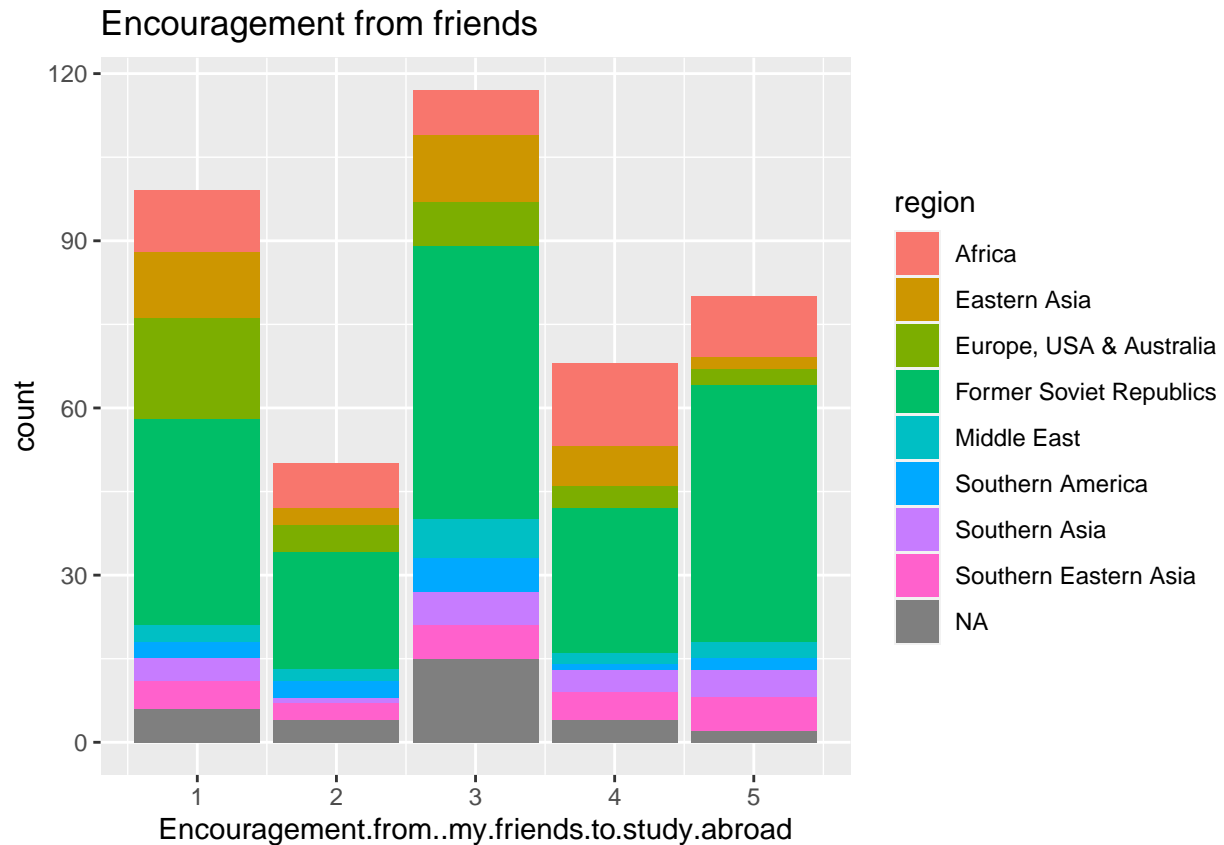
The result show that majority of the respondents (46%) report that their decision to study abroad was influenced by encouragement of their family.

```
#encouragement from friends
freq(Encouragement.from..my.friends.to.study.abroad)
```

```
## Frequencies
## Encouragement.from..my.friends.to.study.abroad
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    99    23.91      23.91    23.68    23.68
##      2    50    12.08      35.99    11.96    35.65
##      3   117    28.26      64.25    27.99    63.64
##      4    68    16.43      80.68    16.27    79.90
##      5    80    19.32     100.00    19.14    99.04
##     <NA>     4      0.96      100.00     0.96   100.00
##     Total  418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Encouragement.from..my.friends.to.study.abroad, fill=region)) + geom_bar() + labs(title="Encouragement from friends")
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```



The result show that the respondents were uncertain of the influence of the encouragement of their friends in their decision to study abroad.

```
#Better earning prospects abroad
freq(Better.earning.prospects.abroad)
```

```
## Frequencies
## Better.earning.prospects.abroad
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    43    10.39      10.39    10.29    10.29
##      2    25     6.04      16.43     5.98    16.27
##      3    77    18.60      35.02    18.42    34.69
##      4   123    29.71      64.73    29.43    64.11
##      5   146    35.27     100.00    34.93    99.04
##     <NA>     4     0.96      100.00     0.96   100.00
##     Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Better.earning.prospects.abroad, fill=region)) + geom_bar() + labs(title="Better earning prospects abroad")
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```



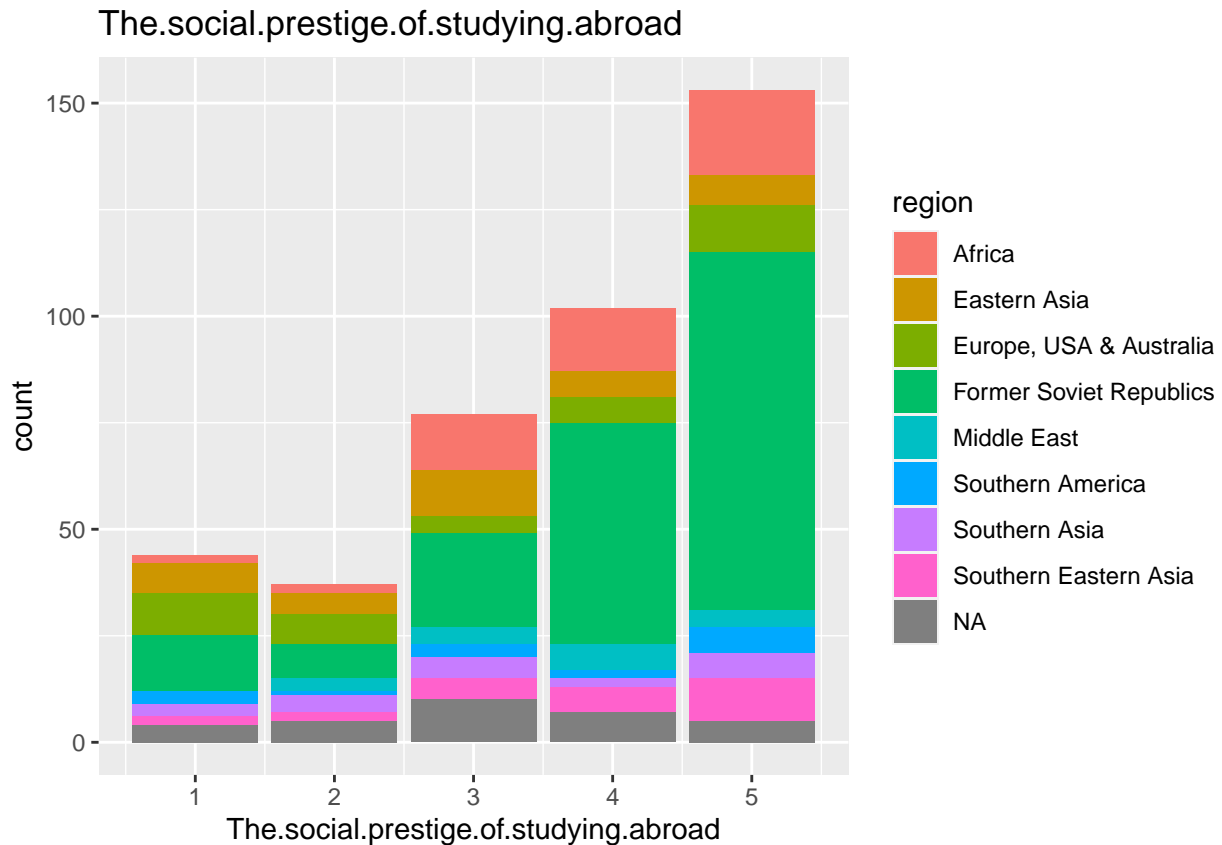
With the factor, better earning prospects abroad majority of respondents (64%) reported that it was very influential in their decision to study abroad.

```
#social prestige
freq(The.social.prestige.of.studying.abroad)
```

```
## Frequencies
## The.social.prestige.of.studying.abroad
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    44    10.65      10.65    10.53    10.53
##      2    37     8.96      19.61     8.85    19.38
##      3    77    18.64      38.26    18.42    37.80
##      4   102    24.70      62.95    24.40    62.20
##      5   153    37.05     100.00    36.60    98.80
##     <NA>     5      1.20      100.00     1.20   100.00
##     Total  418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=The.social.prestige.of.studying.abroad , fill=region)) + geom_bar() + labs(title="The")
```

```
## Warning: Removed 5 rows containing non-finite values (stat_count).
```



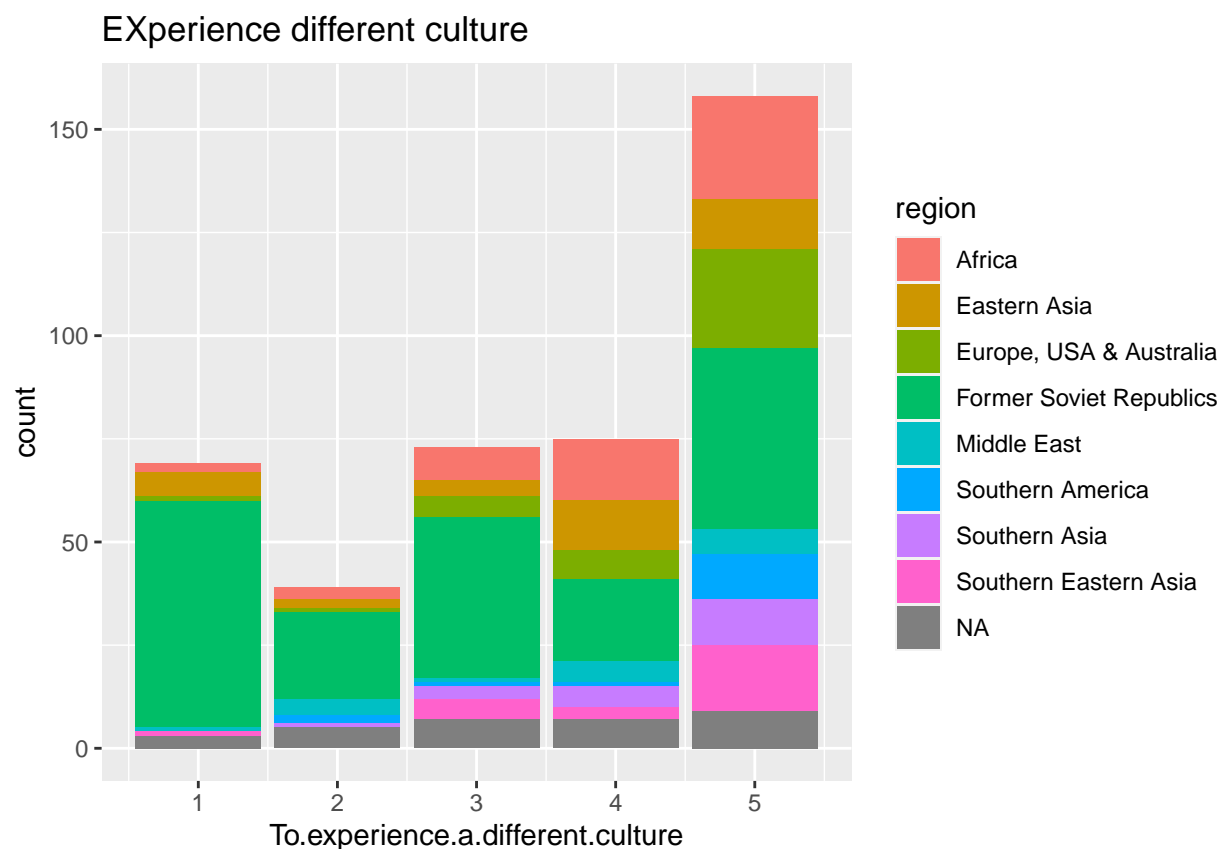
Majority of the respondents (61%) revealed that the social prestige associated with studying abroad was very influential in their decision to study abroad.

```
#Experience different culture
freq(To.experience.a.different.culture)
```

```
## Frequencies
## To.experience.a.different.culture
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    69    16.67    16.67    16.51    16.51
##      2    39     9.42    26.09     9.33    25.84
##      3    73    17.63    43.72    17.46    43.30
##      4    75    18.12    61.84    17.94    61.24
##      5   158    38.16   100.00    37.80    99.04
##     <NA>     4     0.96     0.00     0.96   100.00
##     Total   418   100.00   100.00   100.00   100.00
```

```
ggplot(data, aes(x=To.experience.a.different.culture, fill=region)) + geom_bar() + labs(title="EXperien
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```



Majority of the respondents (56%) reported that the decision to study abroad was influenced by their desire to experience a different culture.

push factors in Home country (Regression analysis)

empty model

Full Model

Results

```
kable(summary(model1)$coef, digits = 2, caption = "Push factors")
```

Table 1: Push factors

	Estimate	Std. Error	t
(Intercept)	2.59	0.11	
Unavailability.of.the.desired.study.program	0.03	0.02	
Low.quality.of.education	-0.03	0.02	
Competitive.university.admission.process.difficult.to.gain.admission.to.a.quality.local.institution	-0.04	0.02	
Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market	0.06	0.02	
Unavailability.of.scholarship.opportunities	0.03	0.02	
Encouragement.from.my.family.to.study.abroad	-0.03	0.02	
Encouragement.from.my.friends.to.study.abroad	0.01	0.02	
Better.earning.prospects.abroad	-0.04	0.03	
The.social.prestige.of.studying.abroad	-0.06	0.03	
To.experience.a.different.culture	0.08	0.02	

The table displays the results of the full regression model to highlight the association between the push factors and the decision to study abroad. The model has a R2 of 0.138 which means that approximately the model can explain 14% of the decision to study abroad as such translates to the goodness of the results. The following factors realized significance; competitive university admission process, perceived advantage of international degree, the social prestige of studying abroad and to experience a different culture.

pull factors (Descriptive analysis)

The factors in Russia and HSE that influenced respondents' decision to pursue their studies in Russia

```
#Availability of desired program
```

```
freq(Availability.of.desired.study.program)
```

```
## Frequencies
```

```
## Availability.of.desired.study.program
```

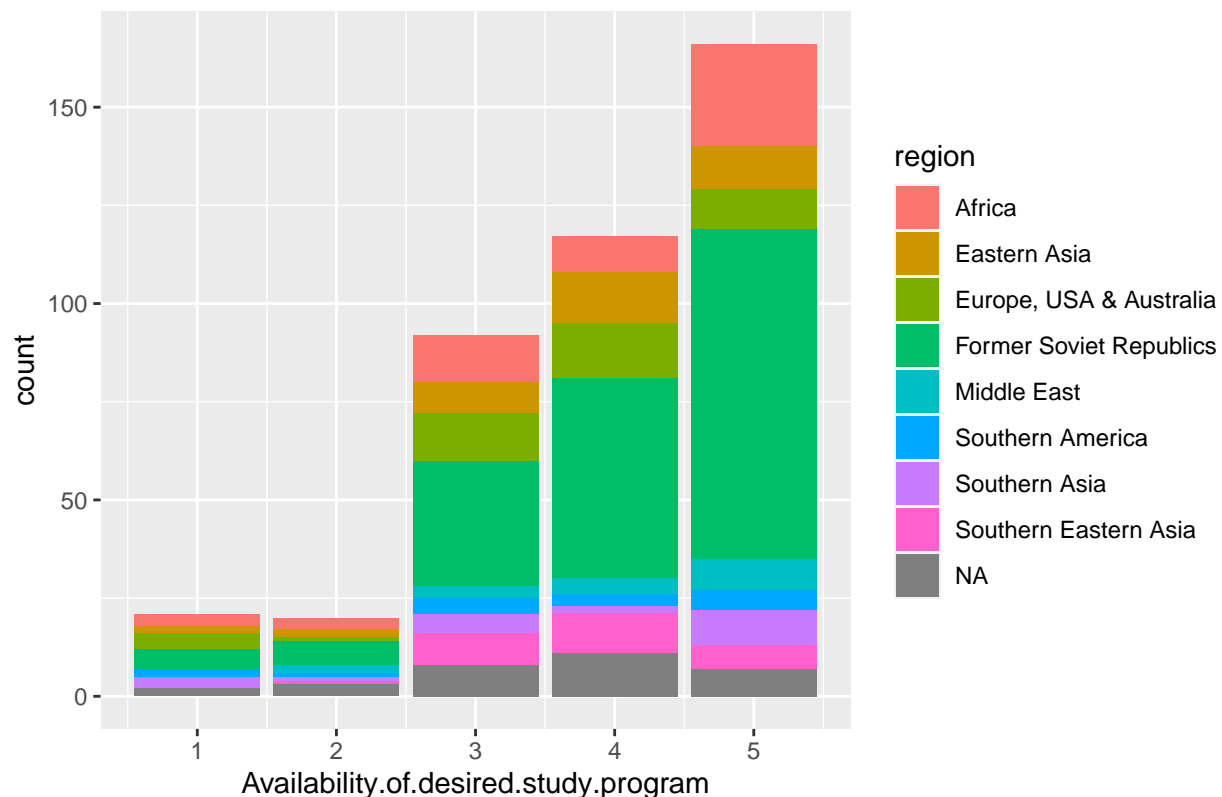
```
##
```

##		Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
##	1	21	5.05	5.05	5.02	5.02
##	2	20	4.81	9.86	4.78	9.81
##	3	92	22.12	31.97	22.01	31.82
##	4	117	28.12	60.10	27.99	59.81
##	5	166	39.90	100.00	39.71	99.52
##	<NA>	2			0.48	100.00
##	Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=Availability.of.desired.study.program, fill=region)) + geom_bar() + labs(title="Avai.
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```


Availability of desired study program



Majority of the respondents (68%) revealed that the availability of the desired study program was very influential in their decision to study in Russia.

#high quality of education

`freq(Higher.quality.of.education..compared.to.home.country.)`

Frequencies

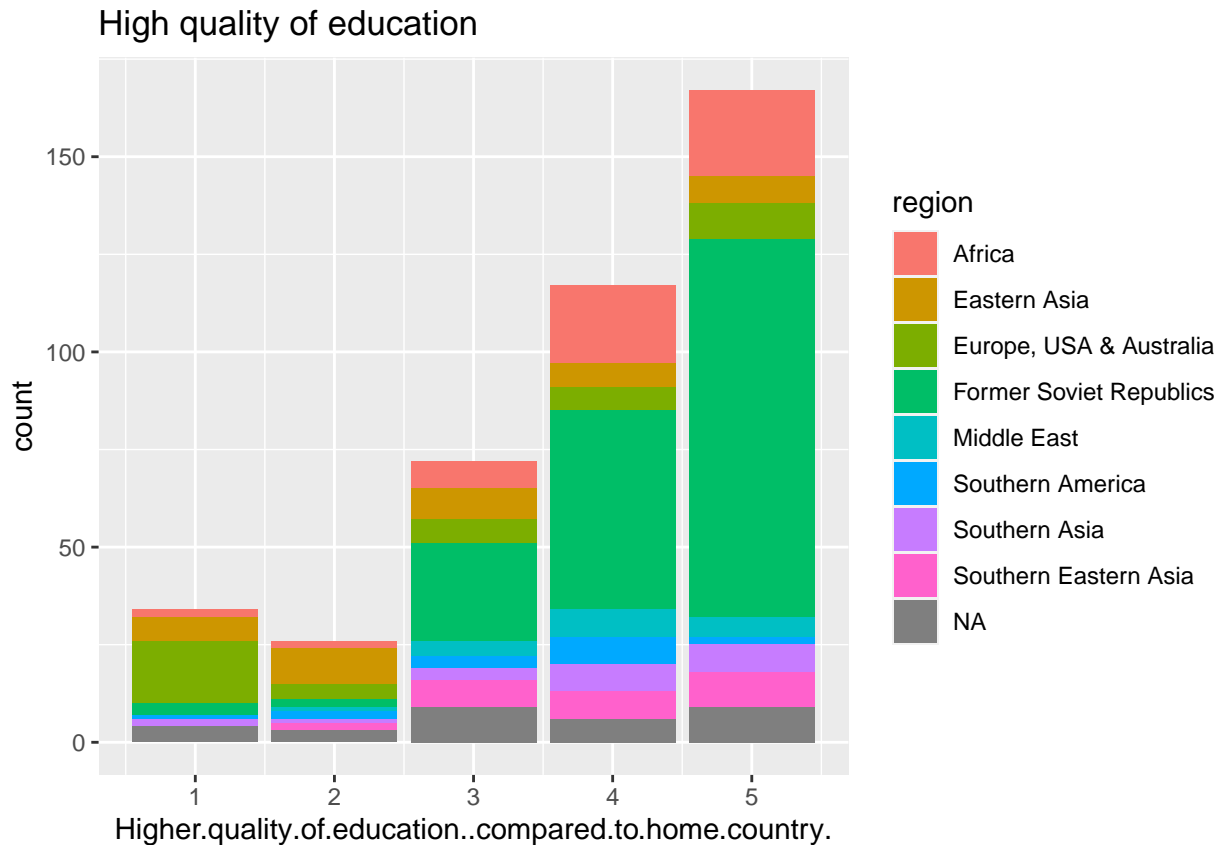
Higher.quality.of.education..compared.to.home.country.

##

##		Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
##	1	34	8.17	8.17	8.13	8.13
##	2	26	6.25	14.42	6.22	14.35
##	3	72	17.31	31.73	17.22	31.58
##	4	117	28.12	59.86	27.99	59.57
##	5	167	40.14	100.00	39.95	99.52
##	<NA>	2			0.48	100.00
##	Total	418	100.00	100.00	100.00	100.00

`ggplot(data, aes(x=Higher.quality.of.education..compared.to.home.country., fill=region)) + geom_bar() +`

Warning: Removed 2 rows containing non-finite values (stat_count).



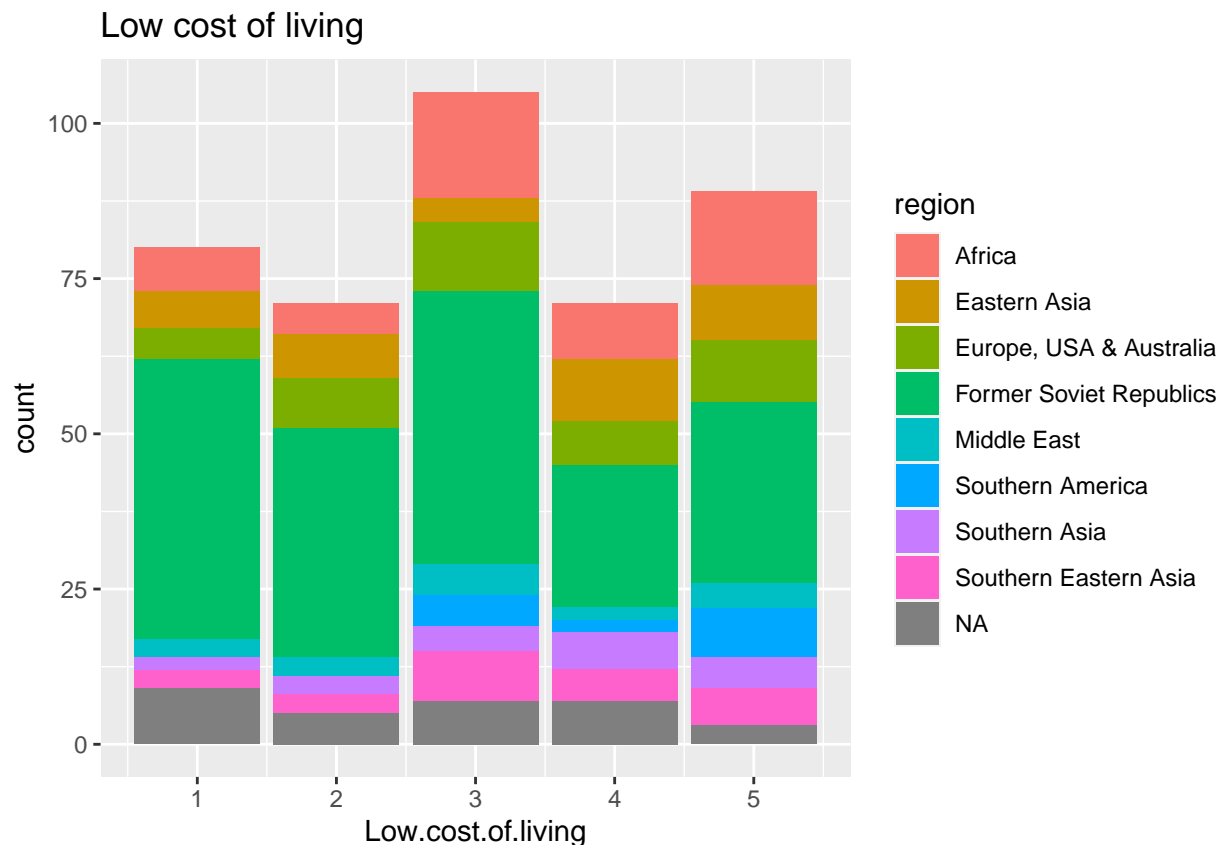
Majority of the respondents (68%) considered the quality of education in Russia to be higher in comparison with their home country and as such very influential in their decision to study in Russia.

```
#low cost of living
freq(Low.cost.of.living)
```

```
## Frequencies
## Low.cost.of.living
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    80    19.23      19.23    19.14    19.14
##      2    71    17.07      36.30    16.99    36.12
##      3   105    25.24      61.54    25.12    61.24
##      4    71    17.07      78.61    16.99    78.23
##      5    89    21.39     100.00    21.29    99.52
##     <NA>     2      0.48     100.00     0.48   100.00
##     Total  418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Low.cost.of.living, fill=region)) + geom_bar() + labs(title="Low cost of living")
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```



The result show that the respondents were uncertain of the influence of low cost of living as a factor in their decision to study in Russia.

```
#tuition fees
freq(Low.tuition.fees)
```

```
## Frequencies
## Low.tuition.fees
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    97    23.49      23.49    23.21    23.21
##      2    45    10.90      34.38    10.77    33.97
##      3    89    21.55      55.93    21.29    55.26
##      4    64    15.50      71.43    15.31    70.57
##      5   118    28.57     100.00    28.23    98.80
##     <NA>     5         0.00         0.00     1.20   100.00
##     Total  418   100.00     100.00   100.00   100.00
```

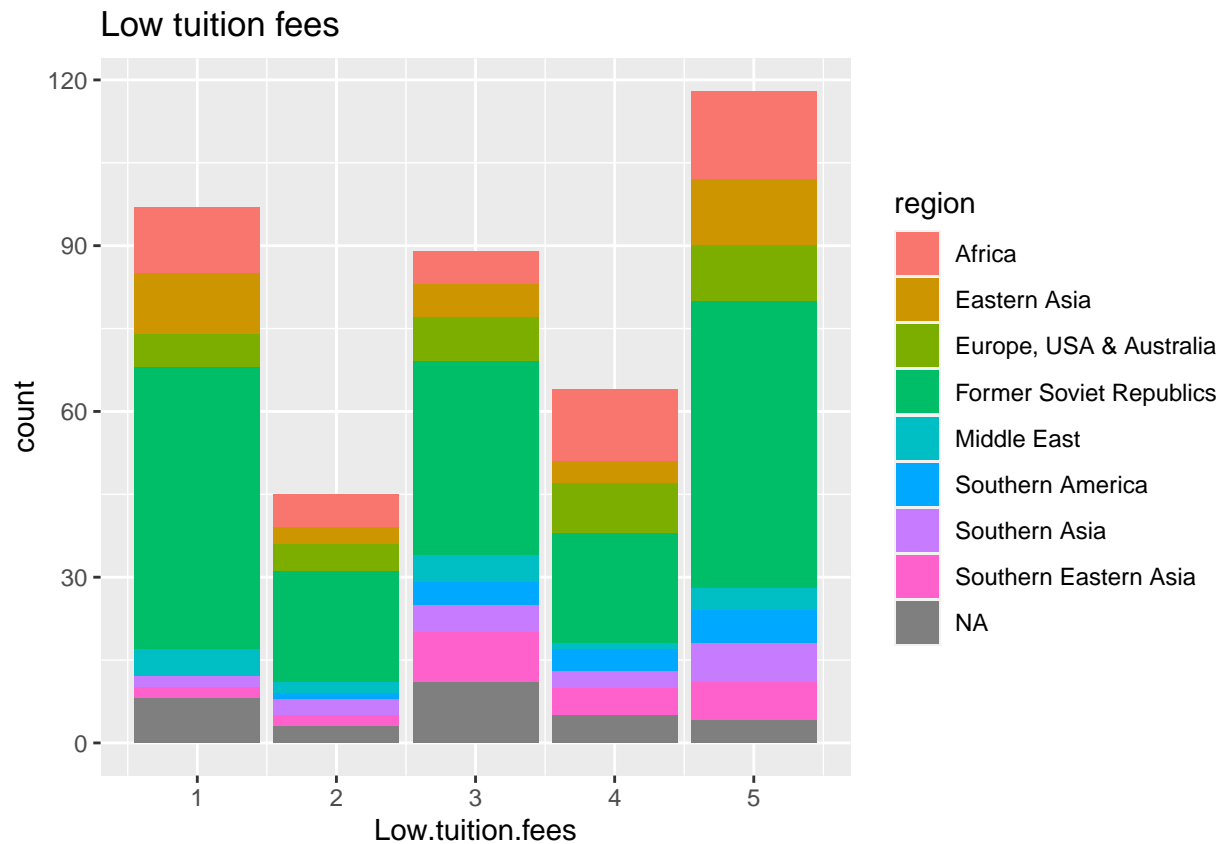
```
freq(Cost.of.tuition.for.international.students)
```

```
## Frequencies
## Cost.of.tuition.for.international.students
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    74    17.83      17.83    17.70    17.70
##      2    45    10.84      28.67    10.77    28.47
```

##	3	87	20.96	49.64	20.81	49.28
##	4	66	15.90	65.54	15.79	65.07
##	5	143	34.46	100.00	34.21	99.28
##	<NA>	3			0.72	100.00
##	Total	418	100.00	100.00	100.00	100.00

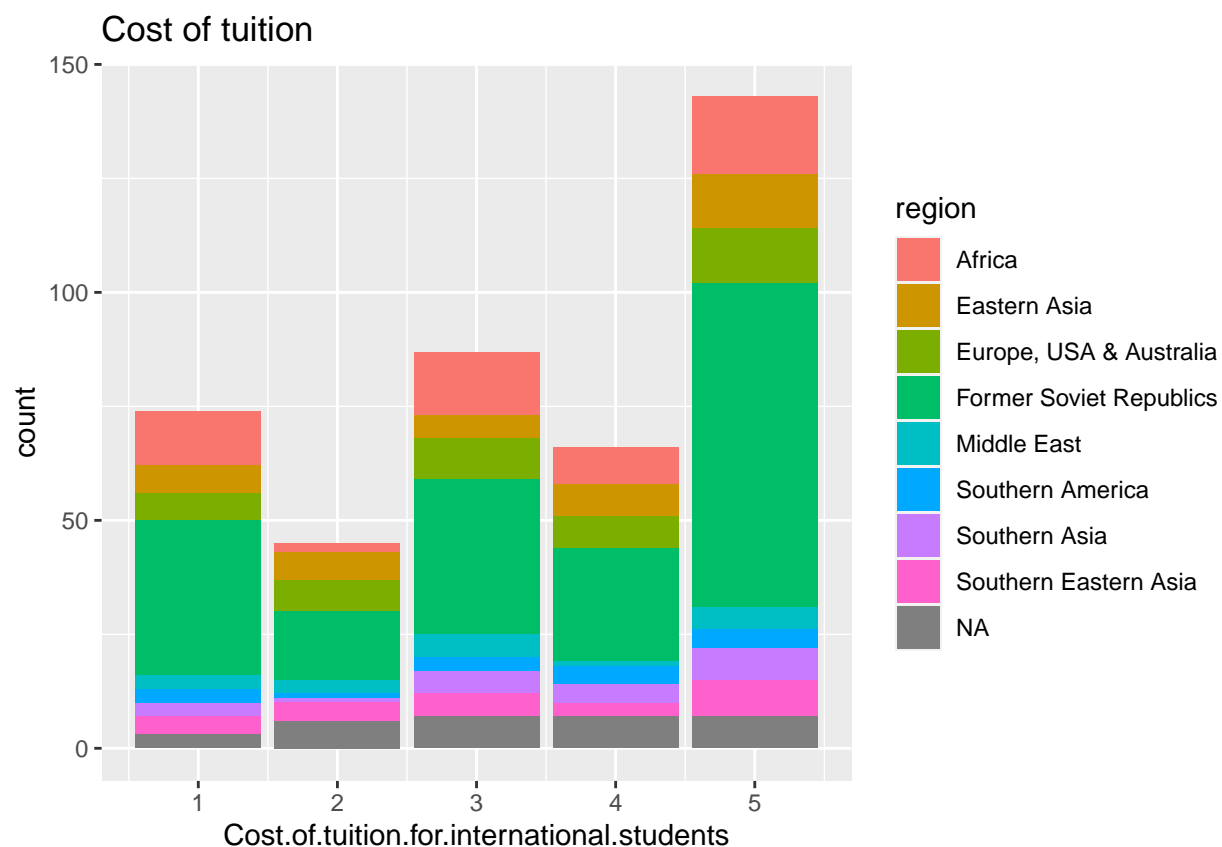
```
ggplot(data, aes(x=Low.tuition.fees, fill=region)) + geom_bar() + labs(title="Low tuition fees")
```

```
## Warning: Removed 5 rows containing non-finite values (stat_count).
```



```
ggplot(data, aes(x=Cost.of.tuition.for.international.students, fill=region)) + geom_bar() + labs(title=
```

```
## Warning: Removed 3 rows containing non-finite values (stat_count).
```



Respondents were asked about the influence of the cost of tuition on their decision to study in Russia. The results show that majority of the respondents' (44%) decision to study in Russia was influenced by the low cost of tuition. Similarly, majority of the respondents (66%) reported that their decision to study in HSE was influenced by the University's cost of tuition for international students.

#Scholarships

```
freq(Awarded.scholarships.or.tuition.waiver)
```

```
## Frequencies
```

```
## Awarded.scholarships.or.tuition.waiver
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	51	12.41	12.41	12.20	12.20
2	37	9.00	21.41	8.85	21.05
3	85	20.68	42.09	20.33	41.39
4	68	16.55	58.64	16.27	57.66
5	170	41.36	100.00	40.67	98.33
<NA>	7			1.67	100.00
Total	418	100.00	100.00	100.00	100.00

```
freq(Availability.of.scholarships)
```

```
## Frequencies
```

```
## Availability.of.scholarships
```

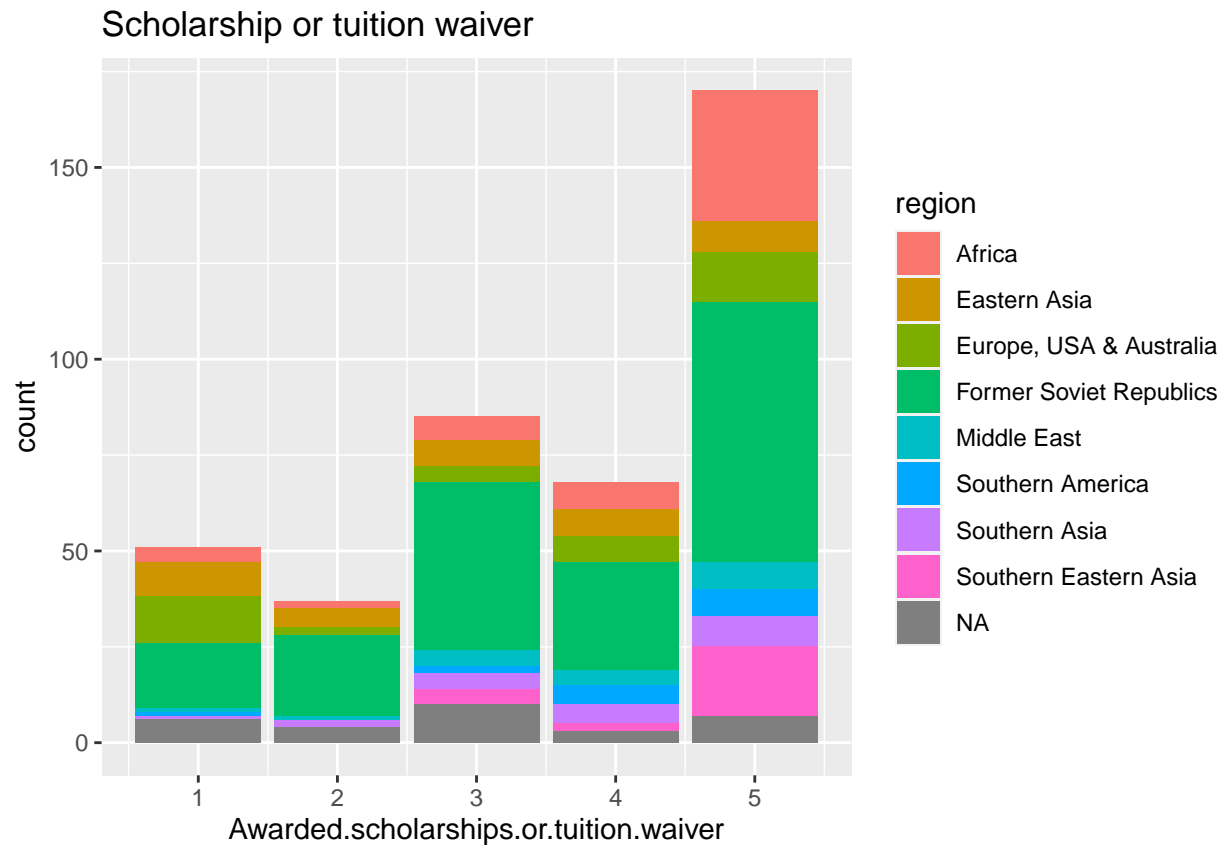
```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.

```
##           1      48      11.57      11.57      11.48      11.48
##           2      22       5.30      16.87       5.26      16.75
##           3      66      15.90      32.77      15.79      32.54
##           4      86      20.72      53.49      20.57      53.11
##           5     193      46.51     100.00      46.17      99.28
##          <NA>       3          0.72      100.00
##          Total    418     100.00     100.00     100.00     100.00
```

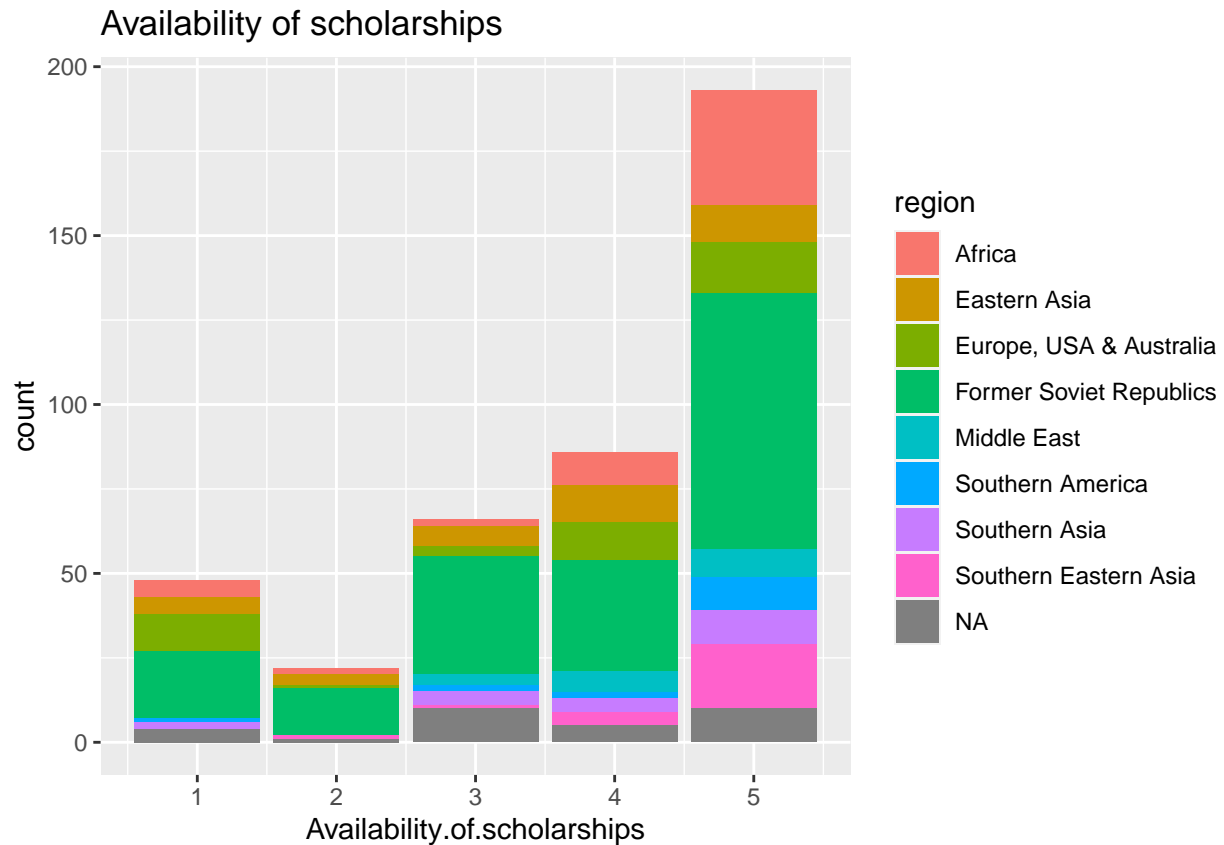
```
ggplot(data, aes(x=Awarded.scholarships.or.tuition.waiver, fill=region)) + geom_bar() + labs(title="Scholarship or tuition waiver")
```

```
## Warning: Removed 7 rows containing non-finite values (stat_count).
```



```
ggplot(data, aes(x=Availability.of.scholarships, fill=region)) + geom_bar() + labs(title="Availability of scholarships")
```

```
## Warning: Removed 3 rows containing non-finite values (stat_count).
```



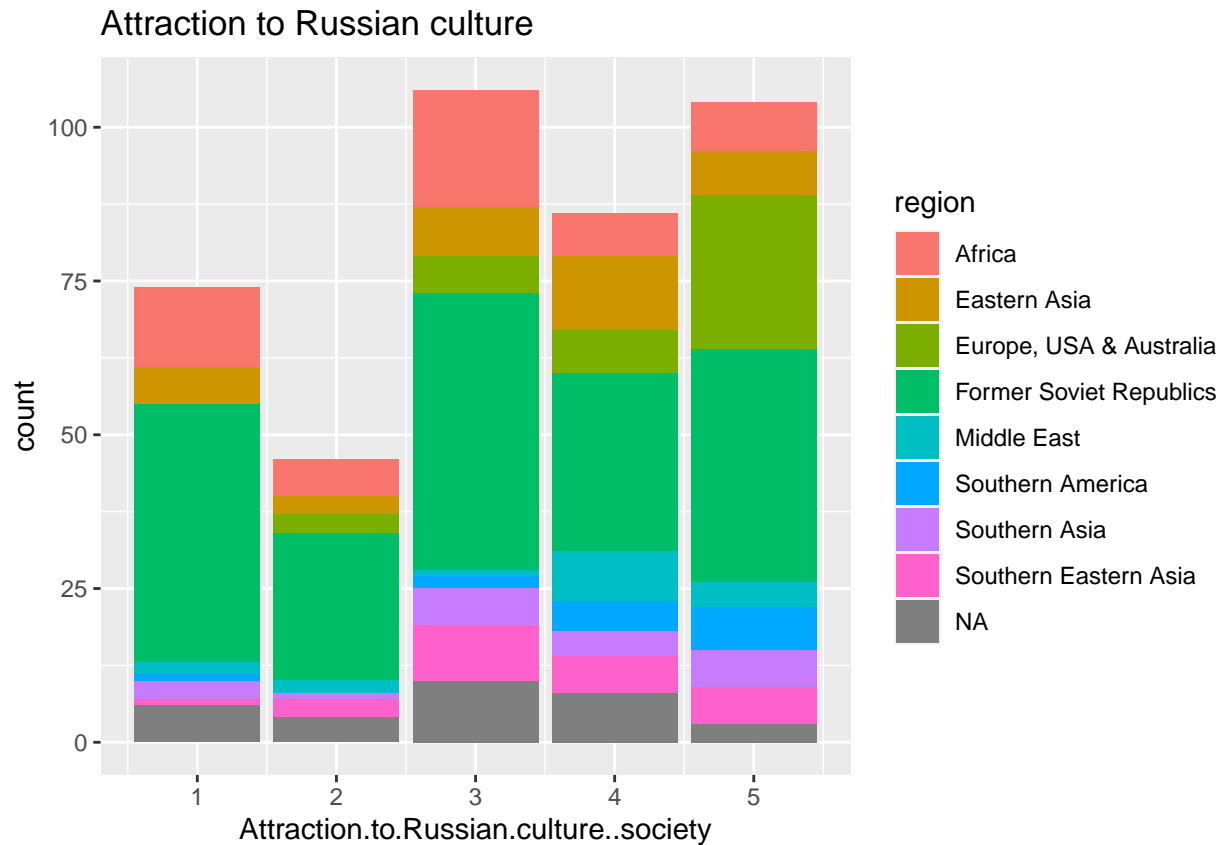
On the influence of scholarship on students' decision to study in Russia, respondents (57%) reported that awarded scholarship and tuition waivers were influential in their decision to study in Russia. The results also reported that respondents (68%) decision to study in Russia were influenced by the availability of scholarships in HSE.

```
#Attraction to Russian culture
freq(Attraction.to.Russian.culture..society)
```

```
## Frequencies
## Attraction.to.Russian.culture..society
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    74    17.79    17.79    17.70    17.70
##      2    46    11.06    28.85    11.00    28.71
##      3   106    25.48    54.33    25.36    54.07
##      4    86    20.67    75.00    20.57    74.64
##      5   104    25.00   100.00    24.88    99.52
##     <NA>     2     0.48     100.00     0.48   100.00
##     Total  418   100.00   100.00   100.00   100.00
```

```
ggplot(data, aes(x=Attraction.to.Russian.culture..society, fill=region)) + geom_bar() + labs(title="Attraction to Russian culture")
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```



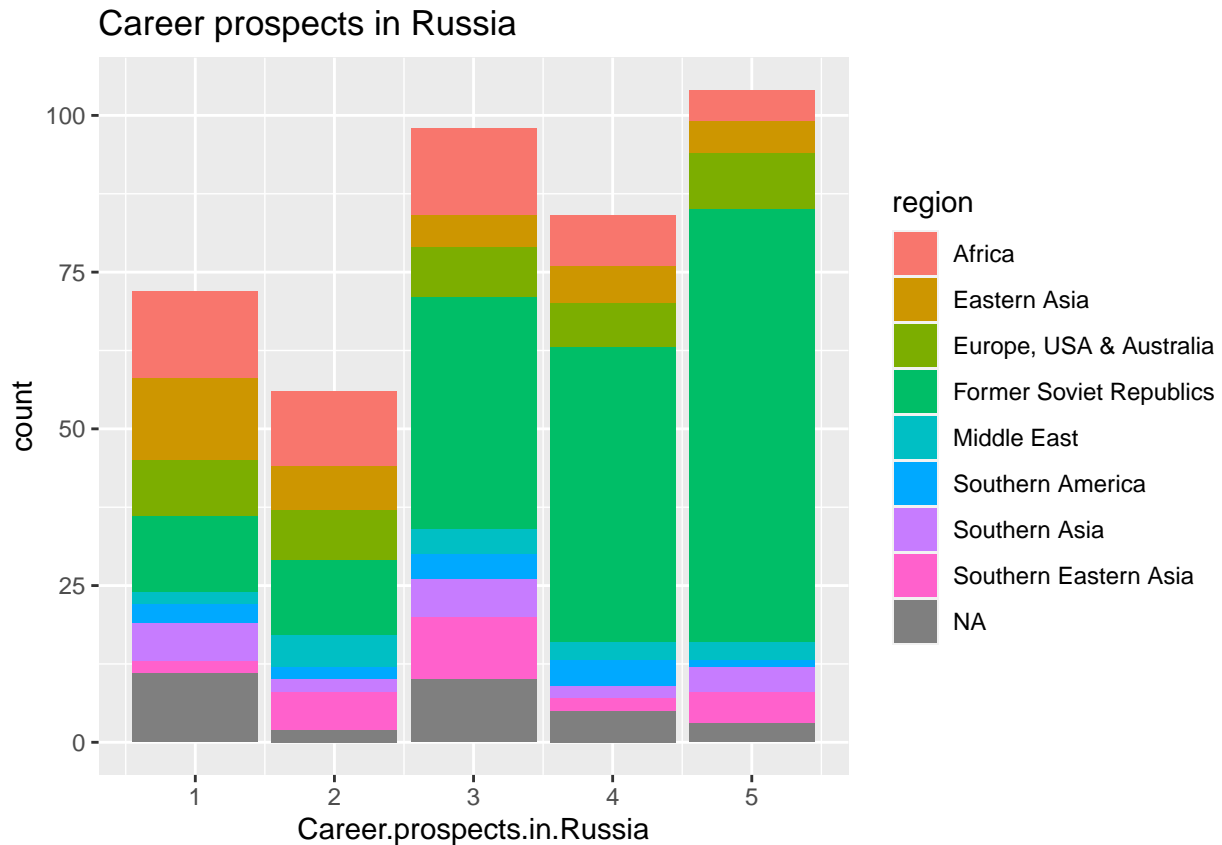
The results show that majority of the respondents' (45%) decision to study in Russia was heavily influenced by their attraction to the Russian culture.

```
#career prospects in Russia
freq(Career.prospects.in.Russia)
```

```
## Frequencies
## Career.prospects.in.Russia
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    72    17.39      17.39    17.22    17.22
##      2    56    13.53      30.92    13.40    30.62
##      3    98    23.67      54.59    23.44    54.07
##      4    84    20.29      74.88    20.10    74.16
##      5   104    25.12     100.00    24.88    99.04
##    <NA>     4         0.96         0.96   100.00
##    Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Career.prospects.in.Russia, fill=region)) + geom_bar() + labs(title="Career prospects in Russia")
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```

The results show that majority of the respondents (45%) report that career prospects in Russia was very influential in their decision to study in Russia.

#recommendations from family and friends

```
freq(Personal.recommendations.from.parents..relatives..and.friends)
```

Frequencies

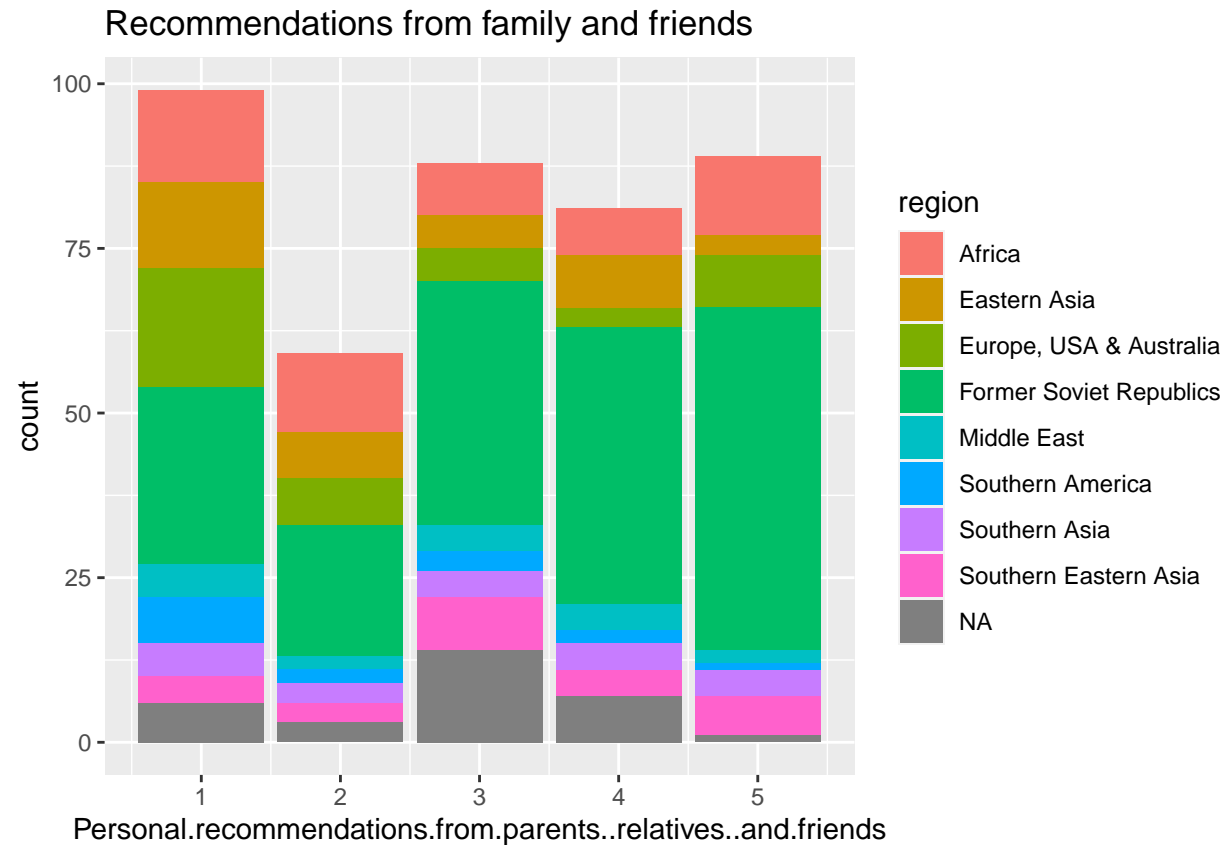
Personal.recommendations.from.parents..relatives..and.friends

##

##		Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
##	1	99	23.80	23.80	23.68	23.68
##	2	59	14.18	37.98	14.11	37.80
##	3	88	21.15	59.13	21.05	58.85
##	4	81	19.47	78.61	19.38	78.23
##	5	89	21.39	100.00	21.29	99.52
##	<NA>	2			0.48	100.00
##	Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=Personal.recommendations.from.parents..relatives..and.friends, fill=region)) + geom_bar()
```

Warning: Removed 2 rows containing non-finite values (stat_count).



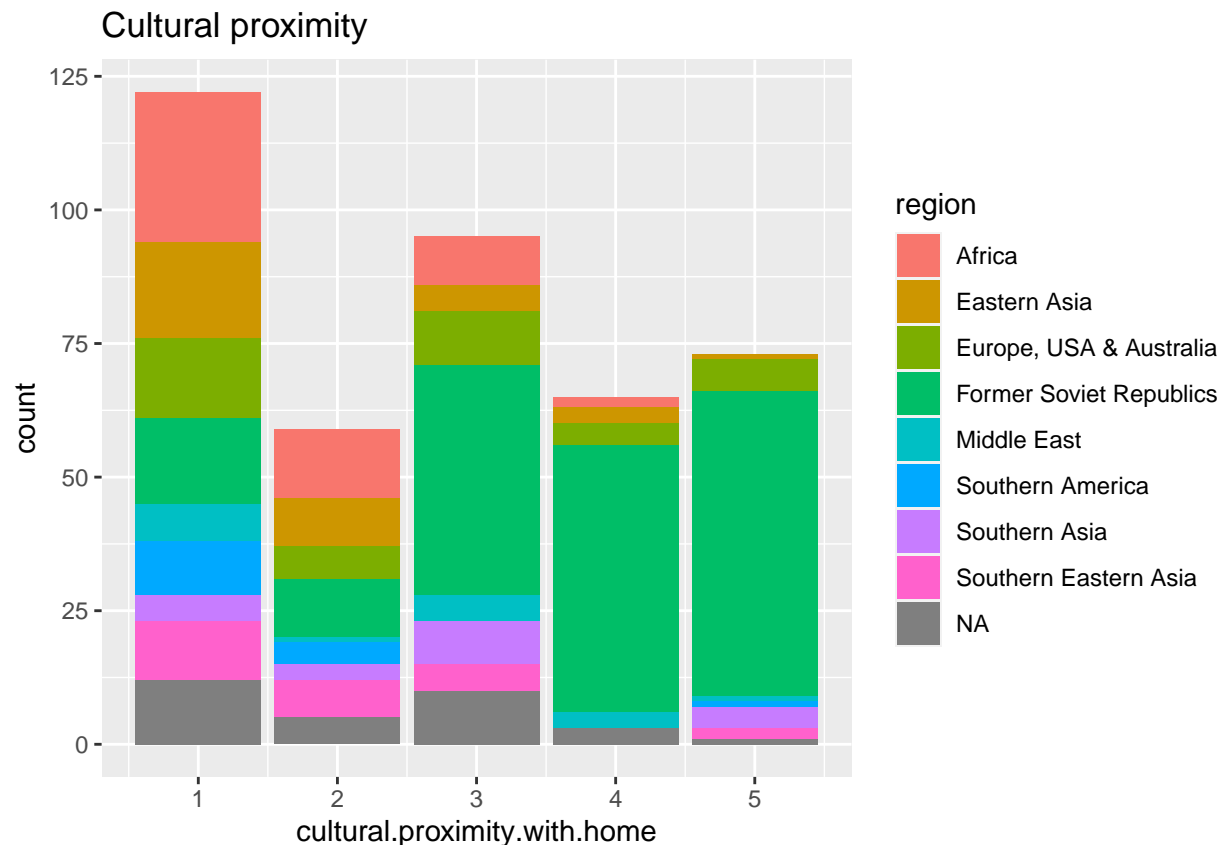
A significant number of respondents (40%) reported that their decision to study in Russia was influenced by recommendations from family and friends.

```
#Cultural proximity
freq(cultural.proximity.with.home)
```

```
## Frequencies
## cultural.proximity.with.home
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    122    29.47      29.47    29.19    29.19
##      2     59    14.25      43.72    14.11    43.30
##      3     95    22.95      66.67    22.73    66.03
##      4     65    15.70      82.37    15.55    81.58
##      5     73    17.63     100.00    17.46    99.04
##     <NA>     4         0.96    100.00
##     Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=cultural.proximity.with.home, fill=region)) + geom_bar() + labs(title="Cultural prox
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```



The results show that cultural proximity was not very influential in defining respondents (43%) decision to study in Russia.

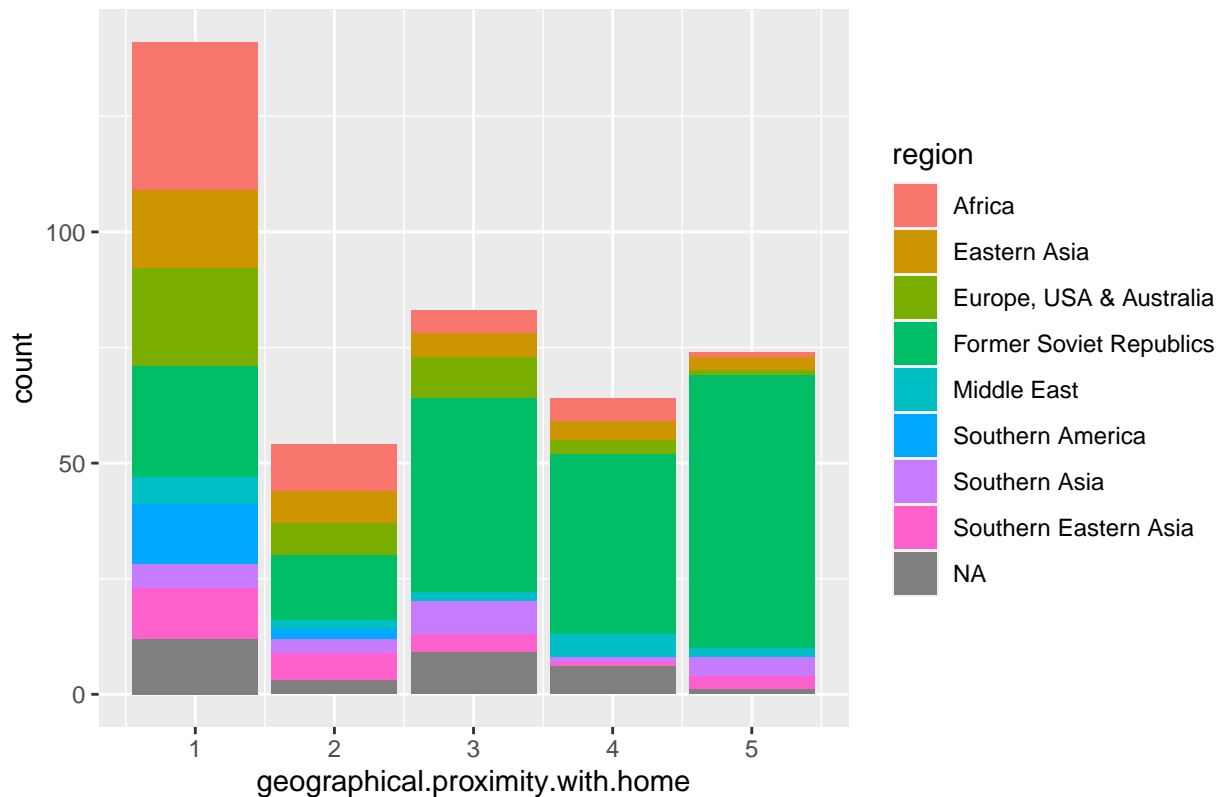
```
#geographical proximity
freq(geographical.proximity.with.home)
```

```
## Frequencies
## geographical.proximity.with.home
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    141    33.89      33.89    33.73    33.73
##      2     54    12.98      46.88    12.92    46.65
##      3     83    19.95      66.83    19.86    66.51
##      4     64    15.38      82.21    15.31    81.82
##      5     74    17.79     100.00    17.70    99.52
##     <NA>      2      0.48      100.00     0.48   100.00
##     Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=geographical.proximity.with.home, fill=region)) + geom_bar() + labs(title="Geographic")
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```

Geographical proximity



Similarly, the results show that geographical proximity was not influential in respondents (47%) decision to study in Russia.

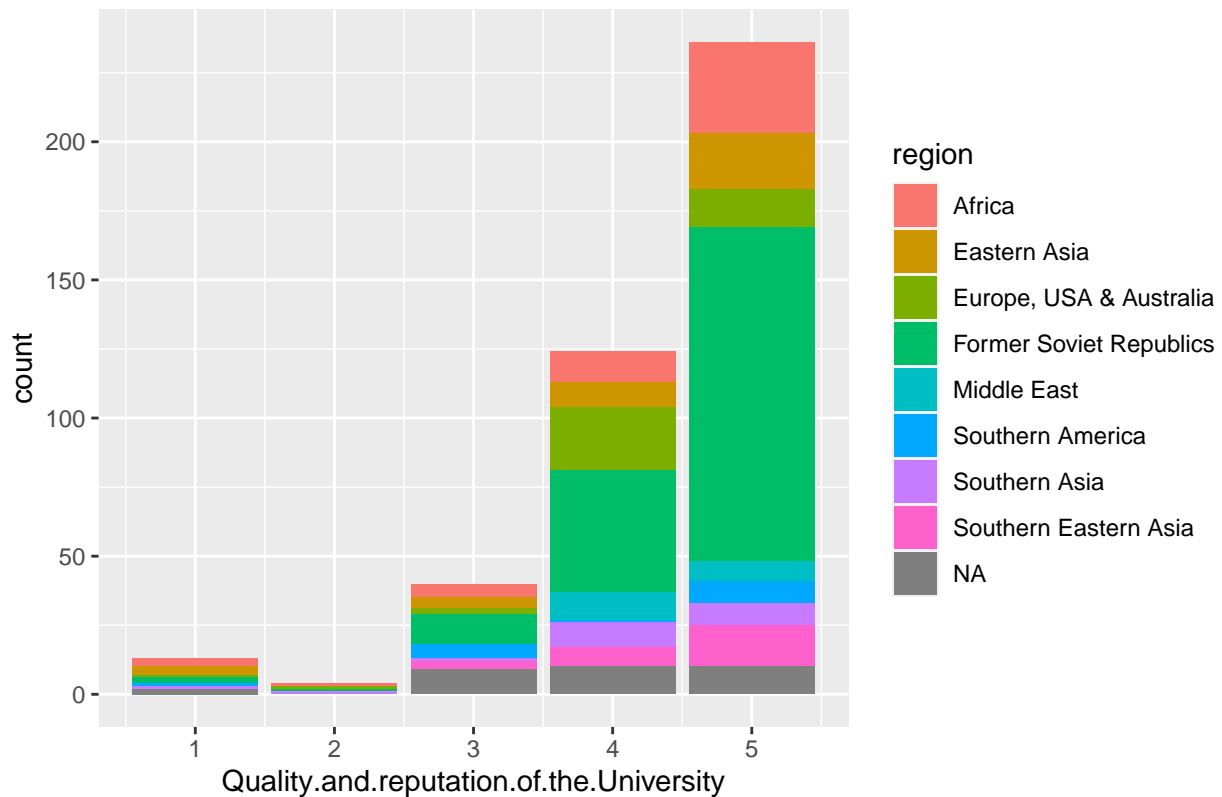
```
#quality and reputation
freq(Quality.and.reputation.of.the.University)
```

```
## Frequencies
## Quality.and.reputation.of.the.University
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    13     3.12      3.12    3.11     3.11
##      2     4     0.96     4.08    0.96     4.07
##      3    40    9.59    13.67    9.57    13.64
##      4   124   29.74    43.41   29.67    43.30
##      5   236   56.59   100.00   56.46    99.76
##     <NA>     1     0.24    100.00    0.24   100.00
##     Total   418  100.00   100.00  100.00  100.00
```

```
ggplot(data, aes(x=Quality.and.reputation.of.the.University, fill=region)) + geom_bar() + labs(title="Q
```

```
## Warning: Removed 1 rows containing non-finite values (stat_count).
```

Quality and reputation of HSE



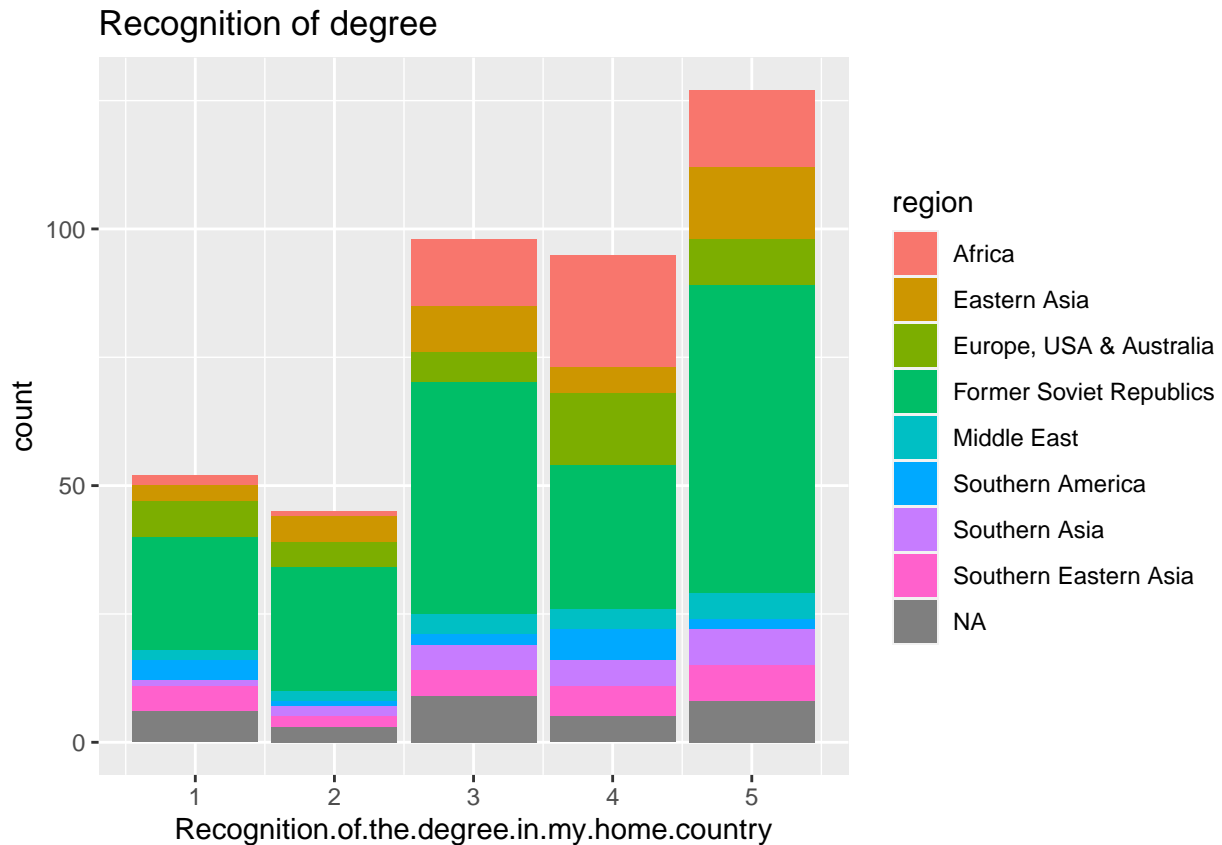
The results show that majority of the respondents (86%) reported that the quality and reputation of HSE was very influential in their decision to study in Russia.

```
#recognition of degree
freq(Recognition.of.the.degree.in.my.home.country)
```

```
## Frequencies
## Recognition.of.the.degree.in.my.home.country
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    52    12.47      12.47    12.44    12.44
##      2    45    10.79      23.26    10.77    23.21
##      3    98    23.50      46.76    23.44    46.65
##      4    95    22.78      69.54    22.73    69.38
##      5   127    30.46     100.00    30.38    99.76
##     <NA>     1      0.24      100.00     0.24   100.00
##     Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Recognition.of.the.degree.in.my.home.country, fill=region)) + geom_bar() + labs(title="Quality and reputation of HSE")
```

```
## Warning: Removed 1 rows containing non-finite values (stat_count).
```



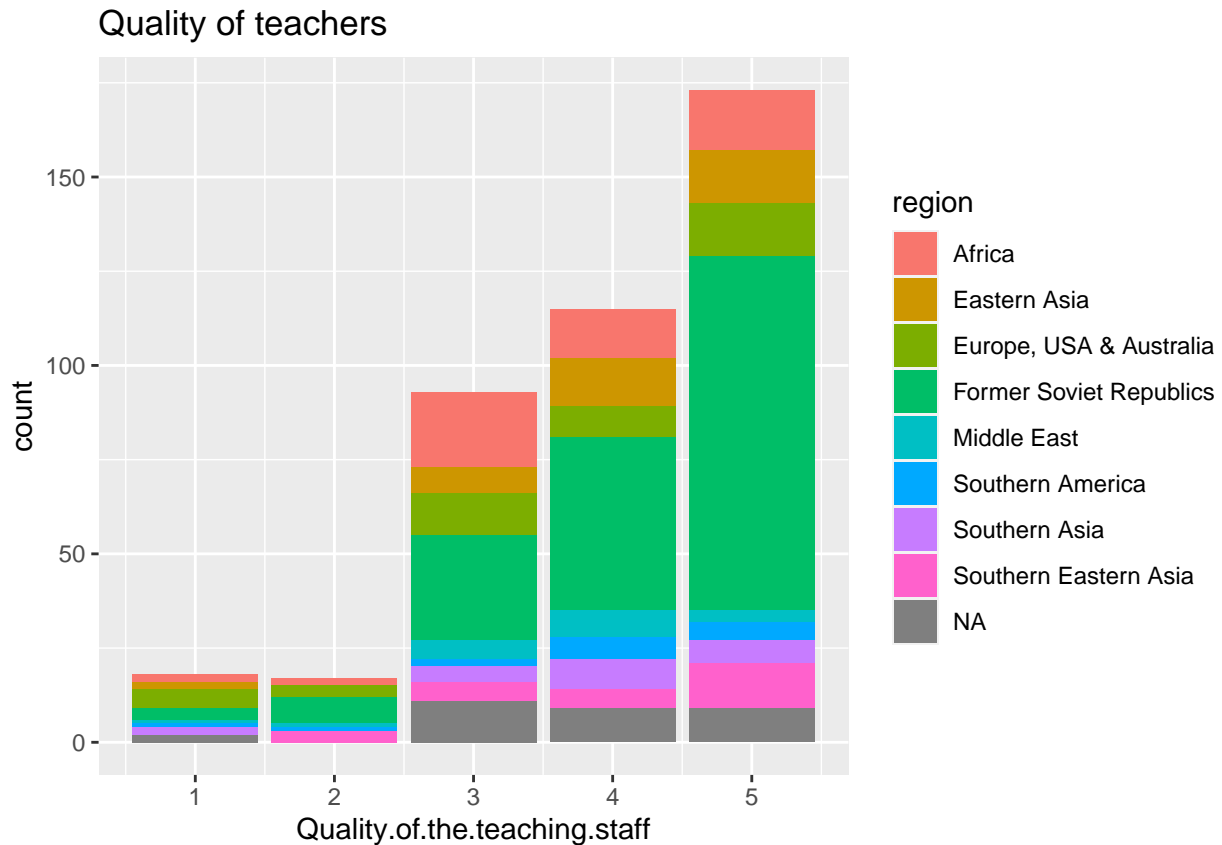
The results show that majority of the respondents (53%) reported that the recognition of HSE's degree in their home country was very influential in their decision to study in Russia.

```
#quality of teachers
freq(Quality.of.the.teaching.staff)
```

```
## Frequencies
## Quality.of.the.teaching.staff
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    18     4.33         4.33    4.31     4.31
##      2    17     4.09         8.41    4.07     8.37
##      3    93    22.36        30.77   22.25    30.62
##      4   115    27.64        58.41   27.51    58.13
##      5   173    41.59       100.00   41.39    99.52
##     <NA>     2         0.00         0.48    100.00
##     Total  418   100.00       100.00  100.00   100.00
```

```
ggplot(data, aes(x=Quality.of.the.teaching.staff, fill=region)) + geom_bar() + labs(title="Quality of t
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```



The results show that majority of the respondents (69%) reported that the quality of HSE's teachers was very influential in their decision to study in Russia.

```
#reputation of alumni
freq(The.reputation.of.the.alumni)
```

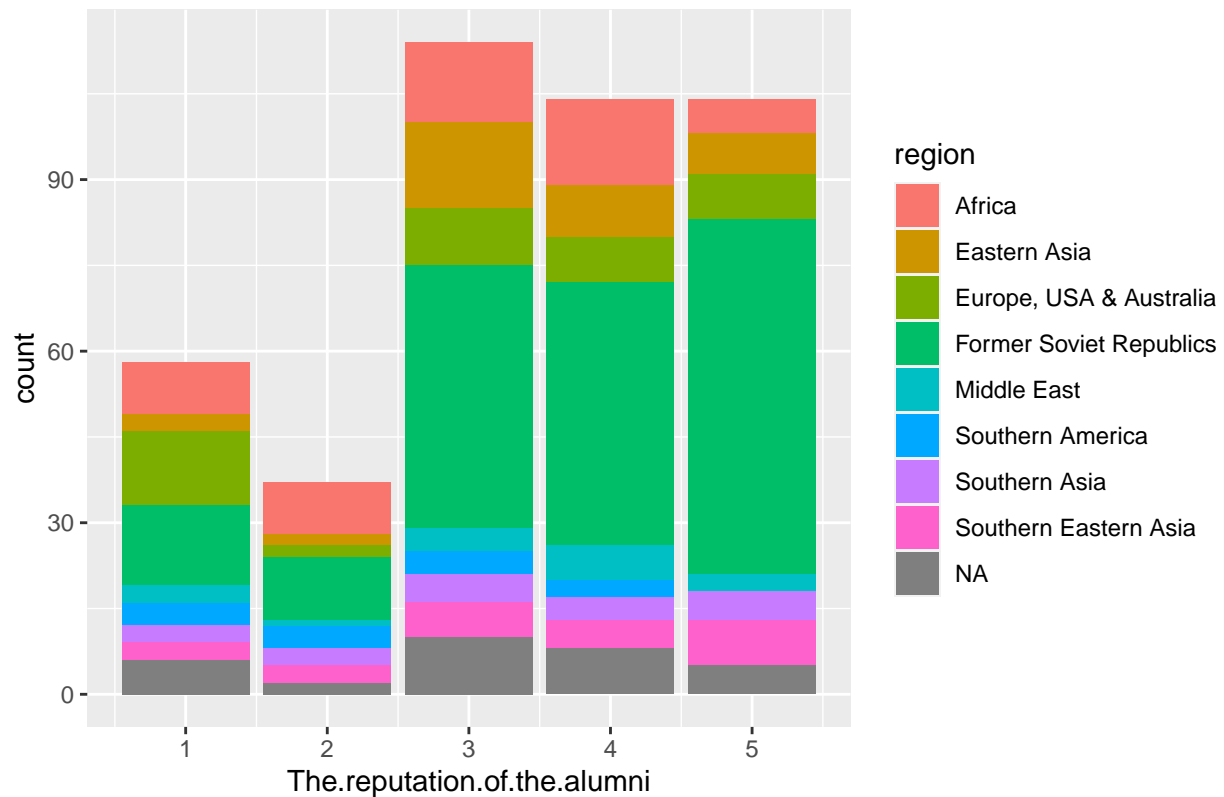
```
## Frequencies
## The.reputation.of.the.alumni
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	58	13.91	13.91	13.88	13.88
2	37	8.87	22.78	8.85	22.73
3	114	27.34	50.12	27.27	50.00
4	104	24.94	75.06	24.88	74.88
5	104	24.94	100.00	24.88	99.76
<NA>	1			0.24	100.00
Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=The.reputation.of.the.alumni, fill=region)) + geom_bar() + labs(title="Reputation of
```

```
## Warning: Removed 1 rows containing non-finite values (stat_count).
```

Reputation of alumni



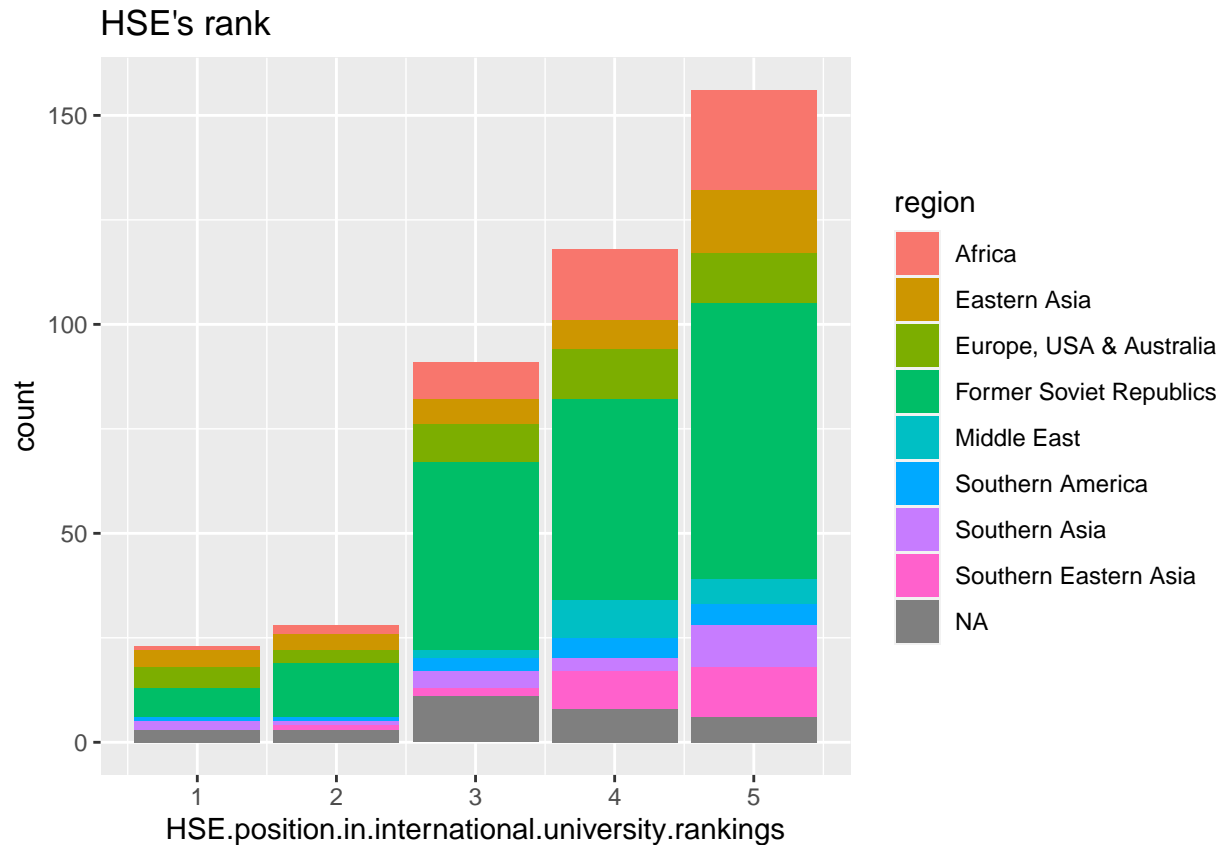
The results show that majority of the respondents (50%) reported that the reputation of HSE's alumni was very influential in their decision to study in Russia.

```
#HSE_rank
freq(HSE.position.in.international.university.rankings)
```

```
## Frequencies
## HSE.position.in.international.university.rankings
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    23     5.53      5.53    5.50     5.50
##      2    28     6.73     12.26    6.70    12.20
##      3    91    21.88     34.13   21.77    33.97
##      4   118    28.37     62.50   28.23    62.20
##      5   156    37.50    100.00   37.32    99.52
##     <NA>     2      0.48      0.48    0.48   100.00
##     Total  418   100.00    100.00  100.00   100.00
```

```
ggplot(data, aes(x=HSE.position.in.international.university.rankings, fill=region)) + geom_bar() + labs
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```

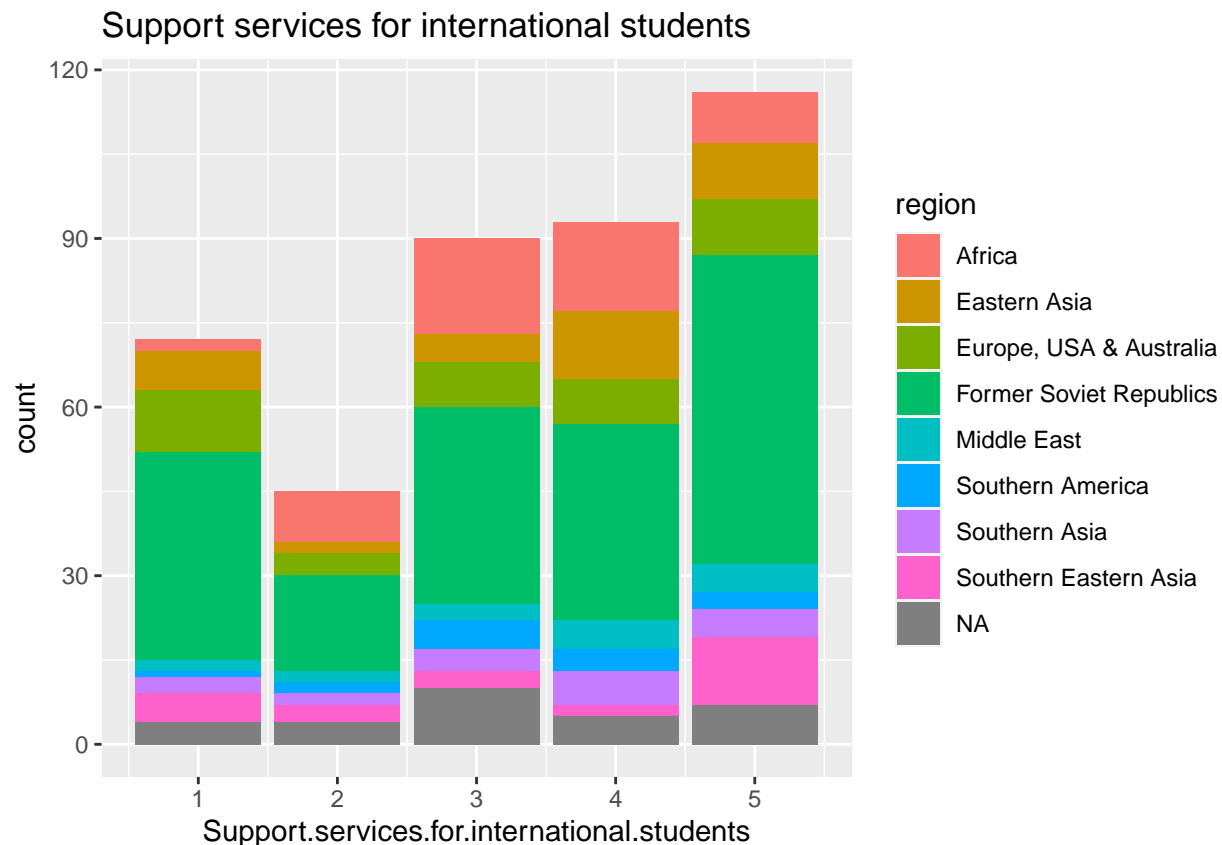
The results show that majority of the respondents (66%) reported that HSE's position in international university rankings was very influential in their decision to study in Russia.

```
#support for international students
freq(Support.services.for.international.students)
```

```
## Frequencies
## Support.services.for.international.students
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    72    17.31      17.31    17.22    17.22
##      2    45    10.82      28.12    10.77    27.99
##      3    90    21.63      49.76    21.53    49.52
##      4    93    22.36      72.12    22.25    71.77
##      5   116    27.88     100.00    27.75    99.52
##     <NA>     2         0.00         0.00     0.48   100.00
##     Total   418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Support.services.for.international.students, fill=region)) + geom_bar() + labs(title=
```

```
## Warning: Removed 2 rows containing non-finite values (stat_count).
```



The results show that the respondents (50%) reported that HSE's support for international students was very influential in their decision to study in Russia.

```
#HSE alliances
```

```
freq(HSE.s.international.strategic.alliances)
```

```
## Frequencies
```

```
## HSE.s.international.strategic.alliances
```

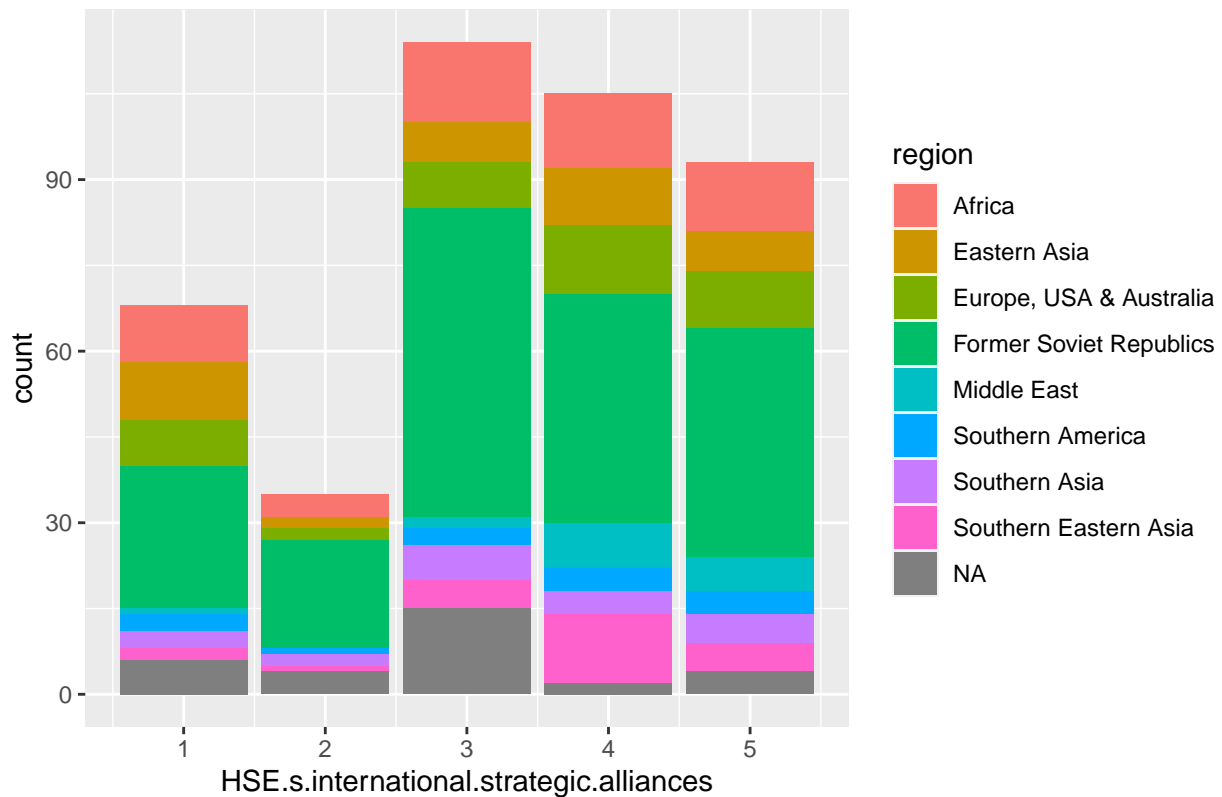
```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	68	16.39	16.39	16.27	16.27
2	35	8.43	24.82	8.37	24.64
3	114	27.47	52.29	27.27	51.91
4	105	25.30	77.59	25.12	77.03
5	93	22.41	100.00	22.25	99.28
<NA>	3			0.72	100.00
Total	418	100.00	100.00	100.00	100.00

```
ggplot(data, aes(x=HSE.s.international.strategic.alliances, fill=region)) + geom_bar() + labs(title="HSE.s.international.strategic.alliances")
```

```
## Warning: Removed 3 rows containing non-finite values (stat_count).
```

HSE alliances



The results show that the respondents (47%) reported that HSE's strategic alliances with other institutions was influential in their decision to study in Russia.

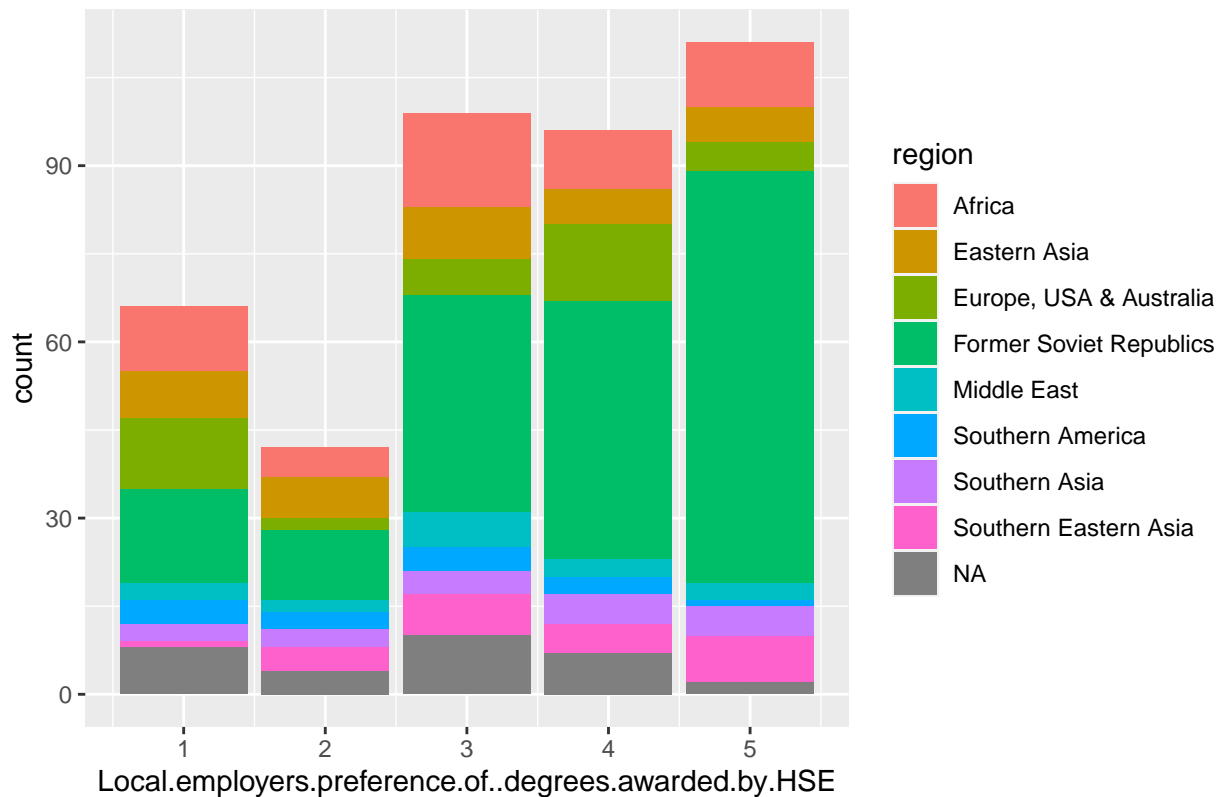
```
#Local preference for HSE degrees
freq(Local.employers.preference.of..degrees.awarded.by.HSE)
```

```
## Frequencies
## Local.employers.preference.of..degrees.awarded.by.HSE
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    66    15.94      15.94    15.79    15.79
##      2    42    10.14      26.09    10.05    25.84
##      3    99    23.91      50.00    23.68    49.52
##      4    96    23.19      73.19    22.97    72.49
##      5   111    26.81     100.00    26.56    99.04
##     <NA>     4         0.00         0.00     0.96   100.00
##     Total  418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Local.employers.preference.of..degrees.awarded.by.HSE, fill=region)) + geom_bar() +
```

```
## Warning: Removed 4 rows containing non-finite values (stat_count).
```

Local preference for HSE degrees



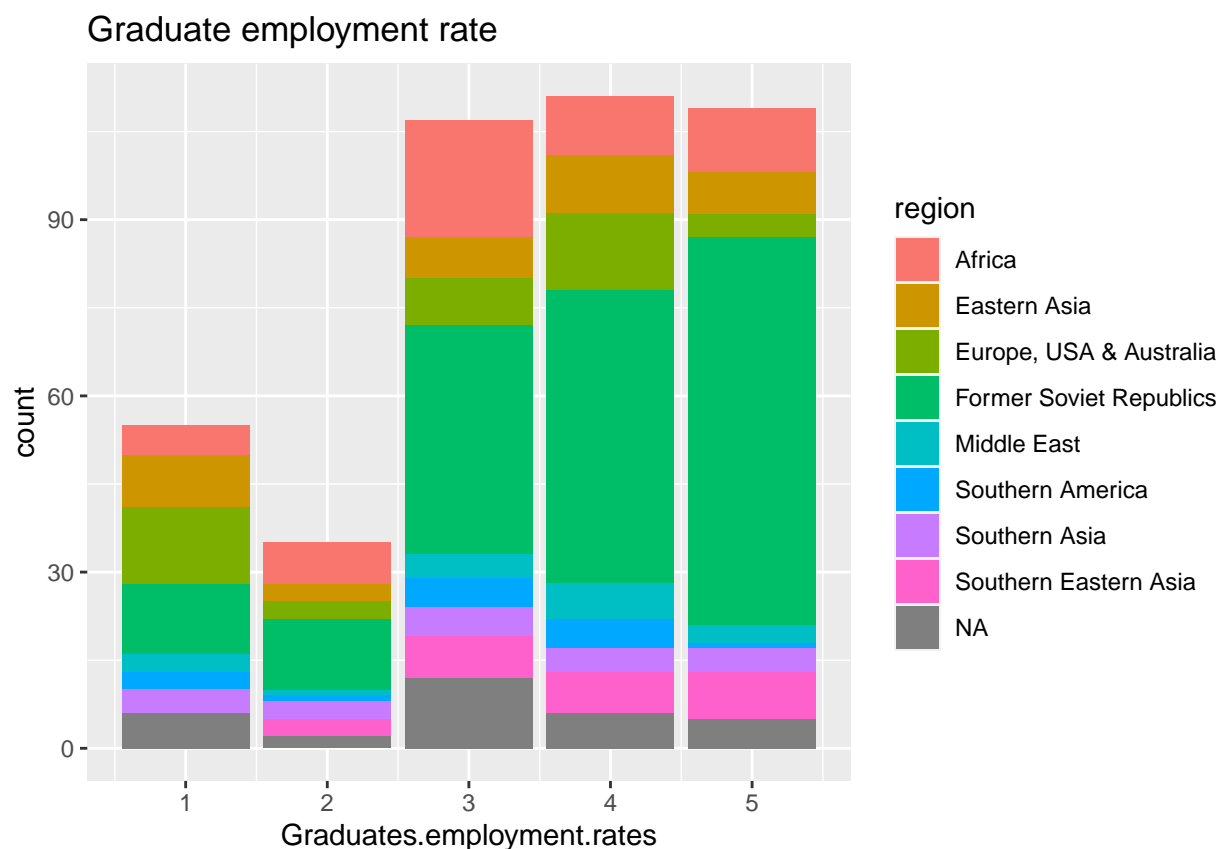
The results show that the respondents (50%) reported that local employers preference for HSE's degree was very influential in their decision to study in Russia.

```
#Graduate employment rates
freq(Graduates.employment.rates)
```

```
## Frequencies
## Graduates.employment.rates
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1    55    13.19      13.19    13.16    13.16
##      2    35     8.39      21.58     8.37    21.53
##      3   107    25.66      47.24    25.60    47.13
##      4   111    26.62      73.86    26.56    73.68
##      5   109    26.14     100.00    26.08    99.76
##     <NA>     1         0.00         0.24   100.00
##     Total  418   100.00     100.00   100.00   100.00
```

```
ggplot(data, aes(x=Graduates.employment.rates, fill=region)) + geom_bar() + labs(title="Graduate employ
```

```
## Warning: Removed 1 rows containing non-finite values (stat_count).
```



The results show that the respondents (53%) reported that HSE's graduate employment rates was very influential in their decision to study in Russia.

Pull factors (Regression analysis)

empty model

Full Model

Results

```
kable(summary(model2)$coef, digits = 2, caption = "Pull factors")
```

Table 2: Pull factors

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.45	0.14	18.11	0.00
Availability.of.desired.study.program	0.07	0.03	2.64	0.01
Higher.quality.of.education..compared.to.home.country.	-0.07	0.03	-2.97	0.00
Low.cost.of.living	0.05	0.02	2.08	0.04
Low.tuition.fees	0.00	0.02	-0.10	0.92
Awarded.scholarships.or.tuition.waiver	0.00	0.03	-0.14	0.89
Attraction.to.Russian.culture..society	0.05	0.02	2.47	0.01
Career.prospects.in.Russia	-0.03	0.02	-1.18	0.24
Personal.recommendations.from.parents..relatives..and.friends	-0.04	0.02	-1.86	0.06
cultural.proximity.with.home	-0.01	0.03	-0.37	0.71
geographical.proximity.with.home	-0.05	0.03	-1.86	0.06

	Estimate	Std. Error	t value	Pr(> t)
Quality.and.reputation.of.the.University	0.02	0.04	0.66	0.51
Recognition.of.the.degree.in.my.home.country	0.02	0.02	0.87	0.39
Quality.of.the.teaching.staff	-0.01	0.03	-0.20	0.84
The.reputation.of.the.alumni	-0.03	0.03	-1.06	0.29
The.reputation.of.the.international.community	-0.02	0.03	-0.70	0.48
HSE.position.in.international.university.rankings	0.05	0.03	1.76	0.08
Cost.of.tuition.for.international.students	0.01	0.02	0.58	0.56
Availability.of.scholarships	0.02	0.03	0.82	0.41
Support.services.for.international.students	0.03	0.02	1.46	0.14
Graduates.employment.rates	-0.08	0.03	-2.94	0.00
HSE.s.international.strategic.alliances	0.00	0.02	-0.08	0.93
Local.employers.preference.of..degrees.awarded.by.HSE	0.03	0.02	1.28	0.20

The table displays the results of the full regression model to highlight the association between the pull factors and the decision to study abroad. The model has a R2 of 0.214 which means that approximately the model can explain 21% of the decision to study in Russia and this highlights the goodness of the results. The following factors realized significance; availability of desired study program, higher quality of education compared to home country, low cost of living, attraction to Russian culture, and graduates employment rates.

Post graduation migration plans

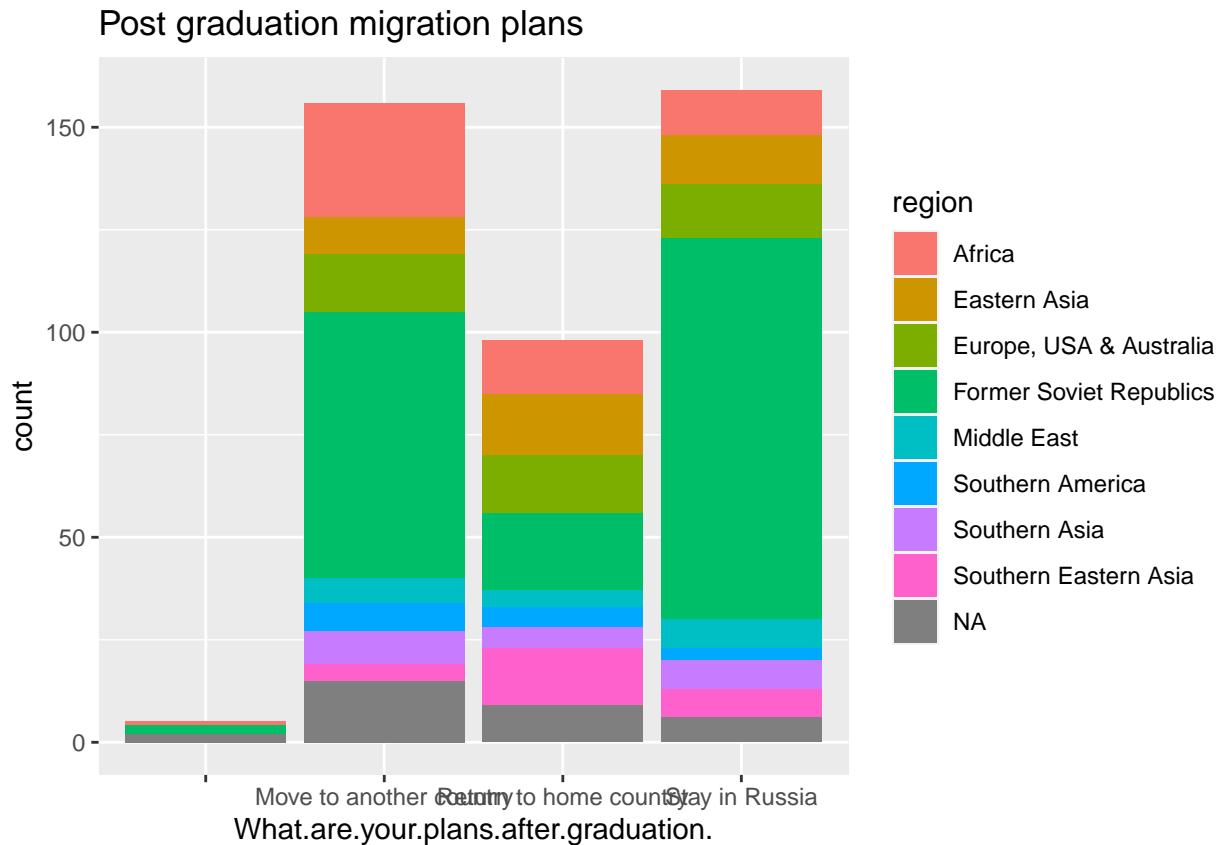
This section highlights students' post migration plans

graduation plans

```
freq(What.are.your.plans.after.graduation.)
```

```
## Frequencies
## What.are.your.plans.after.graduation.
## Type: Factor
##
##              Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      (Empty string)    5    1.20      1.20    1.20      1.20
##      Move to another country 156  37.32    38.52   37.32    38.52
##      Return to home country  98  23.44    61.96   23.44    61.96
##      Stay in Russia    159  38.04   100.00   38.04   100.00
##      <NA>              0    0.00    100.00    0.00   100.00
##      Total            418 100.00   100.00  100.00   100.00
```

```
ggplot(data, aes(x=What.are.your.plans.after.graduation., fill=region)) + geom_bar() + labs(title="Post
```



This results show the distribution of respondents and their post graduation migration plans. 37% of the respondents reported that they intended to move to another country after graduation, 38% reported they intended to stay in Russia and 23% wanted to return home.

Staying in Russia (Descriptive analysis)

Reason for staying in Russia

```
#job opportunities
freq(Better.job.opportunities..in.comparison.with.home.country.)
```

```
## Frequencies
## Better.job.opportunities..in.comparison.with.home.country.
##
##      Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##      1      6    3.77      3.77    1.44    1.44
##      2      5    3.14      6.92    1.20    2.63
##      3     29   18.24     25.16    6.94    9.57
##      4     38   23.90     49.06    9.09   18.66
##      5     81   50.94    100.00   19.38   38.04
##     <NA>   259   100.00    100.00   61.96  100.00
##     Total   418   100.00    100.00  100.00  100.00
```

This show that the respondents' decision to stay in Russia after graduation is influenced by better job opportunities in Russia as compared to the home country.

```
#quality of life
freq(Higher.quality.of.life..in.comparison.with.home.country.)
```

```
## Frequencies
## Higher.quality.of.life..in.comparison.with.home.country.
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    10     6.29      6.29    2.39    2.39
##          2    16    10.06     16.35    3.83    6.22
##          3    29    18.24     34.59    6.94   13.16
##          4    39    24.53     59.12    9.33   22.49
##          5    65    40.88    100.00   15.55   38.04
##         <NA>  259             61.96   100.00
##        Total  418   100.00    100.00  100.00  100.00
```

This show that the respondents' decision to stay in Russia after graduation is influenced by higher quality of life in Russia as compared to the home country.

```
#career opportunities
freq(Better.career.opportunities.and.advancement.in.chosen.profession)
```

```
## Frequencies
## Better.career.opportunities.and.advancement.in.chosen.profession
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1     6     3.77      3.77    1.44    1.44
##          2     2     1.26      5.03    0.48    1.91
##          3    18    11.32     16.35    4.31    6.22
##          4    50    31.45     47.80   11.96   18.18
##          5    83    52.20    100.00   19.86   38.04
##         <NA>  259             61.96   100.00
##        Total  418   100.00    100.00  100.00  100.00
```

This show that the respondents' decision to stay in Russia after graduation is influenced by better career opportunities in Russia.

```
#income level
freq(Higher.income.level)
```

```
## Frequencies
## Higher.income.level
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1     7     4.40      4.40    1.67    1.67
##          2    12     7.55     11.95    2.87    4.55
##          3    27    16.98     28.93    6.46   11.00
##          4    38    23.90     52.83    9.09   20.10
##          5    75    47.17    100.00   17.94   38.04
##         <NA>  259             61.96   100.00
##        Total  418   100.00    100.00  100.00  100.00
```

This show that the respondents' decision to stay in Russia after graduation is influenced by higher income level in Russia.


```
#ties to family and friends
freq(Ties.to.family.and.friends)
```

```
## Frequencies
## Ties.to.family.and.friends
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    29    18.24    18.24    6.94    6.94
##          2    20    12.58    30.82    4.78    11.72
##          3    40    25.16    55.97    9.57    21.29
##          4    33    20.75    76.73    7.89    29.19
##          5    37    23.27    100.00   8.85    38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00    100.00  100.00  100.00
```

This show that the respondents' decision to stay in Russia after graduation is influenced by ties to family and friends in Russia.

```
#international experience
freq(Gain.international.experience)
```

```
## Frequencies
## Gain.international.experience
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    21    13.21    13.21    5.02    5.02
##          2    16    10.06    23.27    3.83    8.85
##          3    28    17.61    40.88    6.70    15.55
##          4    37    23.27    64.15    8.85    24.40
##          5    57    35.85    100.00   13.64    38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00    100.00  100.00  100.00
```

This show that the respondents' decision to stay in Russia after graduation is influenced by their desire to gain international experience.

Reasons for not returning home but stay in Russia

```
#family expectations
freq(Family.expectations)
```

```
## Frequencies
## Family.expectations
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    39    24.53    24.53    9.33    9.33
##          2    21    13.21    37.74    5.02    14.35
##          3    38    23.90    61.64    9.09    23.44
##          4    26    16.35    77.99    6.22    29.67
##          5    35    22.01    100.00   8.37    38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00    100.00  100.00  100.00
```

This shows that the respondents' are uncertain about the influence of family expectations in their decision to

not return home after graduation.

```
#cultural practices
freq(Restrictive.cultural.practices..eg..pressure.to.marry.)
```

```
## Frequencies
## Restrictive.cultural.practices..eg..pressure.to.marry.
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    89    55.97    55.97    21.29    21.29
##          2    20    12.58    68.55    4.78    26.08
##          3    30    18.87    87.42    7.18    33.25
##          4    14     8.81    96.23    3.35    36.60
##          5     6     3.77   100.00    1.44    38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that cultural practices was not influential in respondents' decision to not return home after graduation.

```
#limited job opportunitiesin Home country
freq(Limited.job.opportunities.in.home.country)
```

```
## Frequencies
## Limited.job.opportunities.in.home.country
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    21    13.21    13.21    5.02    5.02
##          2    10     6.29    19.50    2.39    7.42
##          3    29    18.24    37.74    6.94   14.35
##          4    36    22.64    60.38    8.61   22.97
##          5    63    39.62   100.00   15.07   38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that limited job opportunities in home country was influential in respondents' decision to not return home after graduation.

```
#income levels
freq(Lower.income.levels)
```

```
## Frequencies
## Lower.income.levels
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    18    11.46    11.46    4.31    4.31
##          2    15     9.55    21.02    3.59    7.89
##          3    32    20.38    41.40    7.66   15.55
##          4    41    26.11    67.52    9.81   25.36
##          5    51    32.48   100.00   12.20   37.56
##         <NA>   261             62.44   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

Respondents reported that lower income levels in their home country was influential in their decision to not return home after graduation.

```
#quality of life
freq(Lower.quality.of.life.2)
```

```
## Frequencies
## Lower.quality.of.life.2
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    28    17.61    17.61    6.70    6.70
##          2    12     7.55    25.16    2.87    9.57
##          3    33    20.75    45.91    7.89   17.46
##          4    38    23.90    69.81    9.09   26.56
##          5    48    30.19   100.00   11.48   38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

Respondents reported that lower quality of life in their home country was influential in their decision to not return home after graduation.

```
#political persecution
freq(Political.persecution)
```

```
## Frequencies
## Political.persecution
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    82    51.57    51.57   19.62   19.62
##          2    18    11.32    62.89    4.31   23.92
##          3    30    18.87    81.76    7.18   31.10
##          4    14     8.81    90.57    3.35   34.45
##          5    15     9.43   100.00    3.59   38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that fear of political persecution was not influential in respondents' decision to not return home after graduation.

```
#danger to one's life
freq(Danger.or.fear.for.one.s.own.life)
```

```
## Frequencies
## Danger.or.fear.for.one.s.own.life
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1   103    64.78    64.78   24.64   24.64
##          2    13     8.18    72.96    3.11   27.75
##          3    25    15.72    88.68    5.98   33.73
##          4     8     5.03    93.71    1.91   35.65
##          5    10     6.29   100.00    2.39   38.04
##         <NA>   259             61.96   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that danger to one's own life was not influential in respondents' decision to not return home after graduation.

Returning home

Reasons for returning home

```
#professional opportunities in HC  
freq(Better.professional.opportunities.in.home.country)
```

```
## Frequencies  
## Better.professional.opportunities.in.home.country  
##  
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.  
## -----  
##          1    10    10.53    10.53    2.39    2.39  
##          2    11    11.58    22.11    2.63    5.02  
##          3    18    18.95    41.05    4.31    9.33  
##          4    18    18.95    60.00    4.31   13.64  
##          5    38    40.00   100.00    9.09   22.73  
##         <NA>   323             77.27   100.00  
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that better professional opportunities in respondents' home country was influential in their plan to return home after graduation.

```
#quality of living in HC  
freq(Better.quality.of.living.in.home.country)
```

```
## Frequencies  
## Better.quality.of.living.in.home.country  
##  
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.  
## -----  
##          1     9     9.47     9.47     2.15     2.15  
##          2     7     7.37    16.84     1.67     3.83  
##          3    17    17.89    34.74     4.07     7.89  
##          4    19    20.00    54.74     4.55    12.44  
##          5    43    45.26   100.00    10.29    22.73  
##         <NA>   323             77.27   100.00  
##        Total   418   100.00   100.00   100.00   100.00
```

This shows that better quality of living respondents' home country was influential in their plan to return home after graduation.

```
#feeling comfortable at home  
freq(Feeling.more.comfortable.at.home)
```

```
## Frequencies  
## Feeling.more.comfortable.at.home  
##  
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.  
## -----  
##          1     4     4.08     4.08     0.96     0.96  
##          2     3     3.06     7.14     0.72     1.67  
##          3    15    15.31    22.45     3.59     5.26  
##          4    17    17.35    39.80     4.07     9.33  
##          5    59    60.20   100.00    14.11    23.44  
##         <NA>   320             76.56   100.00  
##        Total   418   100.00   100.00   100.00   100.00
```

This shows that feeling more comfortable in respondents' home country was influential in their plan to return home after graduation.

#income levels

`freq(Higher.income.levels)`

Frequencies

Higher.income.levels

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	8	8.51	8.51	1.91	1.91
2	9	9.57	18.09	2.15	4.07
3	29	30.85	48.94	6.94	11.00
4	12	12.77	61.70	2.87	13.88
5	36	38.30	100.00	8.61	22.49
<NA>	324			77.51	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that higher income levels in respondents' home country was influential in their plan to return home after graduation.

#family ties in HC

`freq(Family.ties.back.home)`

Frequencies

Family.ties.back.home

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	4	4.21	4.21	0.96	0.96
2	3	3.16	7.37	0.72	1.67
3	15	15.79	23.16	3.59	5.26
4	23	24.21	47.37	5.50	10.77
5	50	52.63	100.00	11.96	22.73
<NA>	323			77.27	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that family ties back home was influential in respondents' plan to return home after graduation.

Reasons for Leaving Russia to Return Home

#feeling of alienation

`freq(Feelings.of.alienation.from.the.Russian.culture.and.population)`

Frequencies

Feelings.of.alienation.from.the.Russian.culture.and.population

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	23	23.47	23.47	5.50	5.50
2	16	16.33	39.80	3.83	9.33
3	27	27.55	67.35	6.46	15.79
4	14	14.29	81.63	3.35	19.14
5	18	18.37	100.00	4.31	23.44
<NA>	320			76.56	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that feeling of alientation from the Russian culture and people was not influential in respondents' plan leave Russia after graduation.

#finding jobs

`freq(Difficulties.in.finding.a.job)`

```
## Frequencies
## Difficulties.in.finding.a.job
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1     9    9.18      9.18    2.15    2.15
##          2    16   16.33     25.51    3.83    5.98
##          3    24   24.49     50.00    5.74   11.72
##          4    21   21.43     71.43    5.02   16.75
##          5    28   28.57    100.00    6.70   23.44
##         <NA>   320             76.56   100.00
##        Total   418   100.00    100.00  100.00  100.00
```

This shows that difficulty in finding a job in Russia was influential in respondents' plan to leave after graduation.

#working conditions

`freq(Poor.working.conditions)`

```
## Frequencies
## Poor.working.conditions
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    18   18.95     18.95    4.31    4.31
##          2    13   13.68     32.63    3.11    7.42
##          3    28   29.47     62.11    6.70   14.11
##          4    19   20.00     82.11    4.55   18.66
##          5    17   17.89    100.00    4.07   22.73
##         <NA>   323             77.27   100.00
##        Total   418   100.00    100.00  100.00  100.00
```

This shows that respondents were uncertain about the influence of poor working conditions in Russia in their plan to leave after graduation.

#quality of life

`freq(Lower.quality.of.life)`

```
## Frequencies
## Lower.quality.of.life
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    16   16.84     16.84    3.83    3.83
##          2    18   18.95     35.79    4.31    8.13
##          3    23   24.21     60.00    5.50   13.64
##          4    19   20.00     80.00    4.55   18.18
##          5    19   20.00    100.00    4.55   22.73
##         <NA>   323             77.27   100.00
##        Total   418   100.00    100.00  100.00  100.00
```

This shows that respondents were uncertain about the influence of lower quality of life in Russia in their plan

to leave after graduation.

#discrimination

`freq(Perceived.or.experienced.discrimination)`

Frequencies

Perceived.or.experienced.discrimination

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	29	30.53	30.53	6.94	6.94
2	12	12.63	43.16	2.87	9.81
3	26	27.37	70.53	6.22	16.03
4	8	8.42	78.95	1.91	17.94
5	20	21.05	100.00	4.78	22.73
<NA>	323			77.27	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that respondents reported that perceived or experienced discriminations was not influential in their decision to leave after graduation.

#crime and safety level

`freq(Crime.and.low.level.of.safety)`

Frequencies

Crime.and.low.level.of.safety

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	31	32.63	32.63	7.42	7.42
2	11	11.58	44.21	2.63	10.05
3	27	28.42	72.63	6.46	16.51
4	9	9.47	82.11	2.15	18.66
5	17	17.89	100.00	4.07	22.73
<NA>	323			77.27	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that crime and low level of safety in Russia was not influential in their decision to leave after graduation.

#immigration process

`freq(Strict.migration.process.difficulties.in.getting.visas.)`

Frequencies

Strict.migration.process.difficulties.in.getting.visas.

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	18	18.95	18.95	4.31	4.31
2	10	10.53	29.47	2.39	6.70
3	23	24.21	53.68	5.50	12.20
4	19	20.00	73.68	4.55	16.75
5	25	26.32	100.00	5.98	22.73
<NA>	323			77.27	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that Russia's strict migration process was influential in their decision to leave after graduation.

Moving to another country

Reasons for moving to another country

#job opportunities

`freq(Better.job.opportunities)`

Frequencies

Better.job.opportunities

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	4	2.61	2.61	0.96	0.96
2	5	3.27	5.88	1.20	2.15
3	18	11.76	17.65	4.31	6.46
4	45	29.41	47.06	10.77	17.22
5	81	52.94	100.00	19.38	36.60
<NA>	265			63.40	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that their plan to move to another country after graduation was influenced by better job opportunities in that country.

#quality of life

`freq(Higher.quality.of.life)`

Frequencies

Higher.quality.of.life

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	3	1.97	1.97	0.72	0.72
2	5	3.29	5.26	1.20	1.91
3	18	11.84	17.11	4.31	6.22
4	36	23.68	40.79	8.61	14.83
5	90	59.21	100.00	21.53	36.36
<NA>	266			63.64	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that their plan to move to another country after graduation was influenced by higher quality of life in that country.

#career opportunities

`freq(Better.career.opportunities.and.advancement.in.chosen.profession.1)`

Frequencies

Better.career.opportunities.and.advancement.in.chosen.profession.1

##

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	4	2.61	2.61	0.96	0.96
2	3	1.96	4.58	0.72	1.67
3	19	12.42	16.99	4.55	6.22
4	41	26.80	43.79	9.81	16.03
5	86	56.21	100.00	20.57	36.60
<NA>	265			63.40	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that their plan to move to another country after graduation was influenced by better career opportunities in that country.

```
#income levels
```

```
freq(Higher.income.levels.1)
```

```
## Frequencies
```

```
## Higher.income.levels.1
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	5	3.29	3.29	1.20	1.20
2	6	3.95	7.24	1.44	2.63
3	18	11.84	19.08	4.31	6.94
4	34	22.37	41.45	8.13	15.07
5	89	58.55	100.00	21.29	36.36
<NA>	266			63.64	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that their plan to move to another country after graduation was influenced by higher income levels in that country.

```
#ties to family and friends
```

```
freq(Ties.to.family.and.friends.1)
```

```
## Frequencies
```

```
## Ties.to.family.and.friends.1
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	64	41.83	41.83	15.31	15.31
2	29	18.95	60.78	6.94	22.25
3	30	19.61	80.39	7.18	29.43
4	14	9.15	89.54	3.35	32.78
5	16	10.46	100.00	3.83	36.60
<NA>	265			63.40	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that their plan to move to another country after graduation was not influenced by better job opportunities in that country.

```
#international experience
```

```
freq(Gain.international.experience.1)
```

```
## Frequencies
```

```
## Gain.international.experience.1
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	5	3.27	3.27	1.20	1.20
2	5	3.27	6.54	1.20	2.39
3	17	11.11	17.65	4.07	6.46
4	32	20.92	38.56	7.66	14.11
5	94	61.44	100.00	22.49	36.60
<NA>	265			63.40	100.00
Total	418	100.00	100.00	100.00	100.00

Respondents reported that desire to gain international experience influenced their plan to move to another

country after graduation.

```
#immigration process
freq(Flexible.immigration.process)
```

```
## Frequencies
## Flexible.immigration.process
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    28    18.30      18.30     6.70     6.70
##          2    20    13.07     31.37     4.78    11.48
##          3    37    24.18     55.56     8.85    20.33
##          4    22    14.38     69.93     5.26    25.60
##          5    46    30.07    100.00    11.00    36.60
##         <NA>   265             63.40    100.00
##        Total   418    100.00    100.00   100.00   100.00
```

Respondents reported that flexible immigration process influenced their plan to move to another country after graduation.

Reasons for Leaving Russia to move to another country

```
#feeling of aliention
freq(Feelings.of.alienation.from.the.Russian.culture.and.population.1)
```

```
## Frequencies
## Feelings.of.alienation.from.the.Russian.culture.and.population.1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    50    32.47     32.47    11.96    11.96
##          2    16    10.39     42.86     3.83    15.79
##          3    33    21.43     64.29     7.89    23.68
##          4    28    18.18     82.47     6.70    30.38
##          5    27    17.53    100.00     6.46    36.84
##         <NA>   264             63.16    100.00
##        Total   418    100.00    100.00   100.00   100.00
```

This shows that feeling of alientation from the Russian culture and people was not influential in respondents' plan leave Russia after graduation.

```
#finding jobs
freq(Difficulties.in.finding.a.job.1)
```

```
## Frequencies
## Difficulties.in.finding.a.job.1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    32    20.78     20.78     7.66     7.66
##          2    21    13.64     34.42     5.02    12.68
##          3    36    23.38     57.79     8.61    21.29
##          4    27    17.53     75.32     6.46    27.75
##          5    38    24.68    100.00     9.09    36.84
##         <NA>   264             63.16    100.00
##        Total   418    100.00    100.00   100.00   100.00
```

This shows that difficulty in finding a job was influential in respondents' plan leave Russia after graduation.

```
#working conditions
```

```
freq(Poor.working.conditions.1)
```

```
## Frequencies
```

```
## Poor.working.conditions.1
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	27	17.65	17.65	6.46	6.46
2	21	13.73	31.37	5.02	11.48
3	49	32.03	63.40	11.72	23.21
4	30	19.61	83.01	7.18	30.38
5	26	16.99	100.00	6.22	36.60
<NA>	265			63.40	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that poor working conditions was influential in respondents' plan leave Russia after graduation.

```
#discrimination
```

```
freq(Perceived.or.experienced.discrimination.1)
```

```
## Frequencies
```

```
## Perceived.or.experienced.discrimination.1
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	40	25.97	25.97	9.57	9.57
2	23	14.94	40.91	5.50	15.07
3	28	18.18	59.09	6.70	21.77
4	31	20.13	79.22	7.42	29.19
5	32	20.78	100.00	7.66	36.84
<NA>	264			63.16	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that perceived or experienced discrimination was not influential in respondents' plan leave Russia after graduation.

```
#crime and safety level
```

```
freq(Crime.and.low.level.of.safety.1)
```

```
## Frequencies
```

```
## Crime.and.low.level.of.safety.1
```

```
##
```

	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.
1	57	37.01	37.01	13.64	13.64
2	25	16.23	53.25	5.98	19.62
3	37	24.03	77.27	8.85	28.47
4	14	9.09	86.36	3.35	31.82
5	21	13.64	100.00	5.02	36.84
<NA>	264			63.16	100.00
Total	418	100.00	100.00	100.00	100.00

This shows that crime and low level of safety was not influential in respondents' plan leave Russia after graduation.

```
#immigration process
freq(Strict.migration.process.difficulties.in.getting.visas..1)
```

```
## Frequencies
## Strict.migration.process.difficulties.in.getting.visas..1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    47    30.52    30.52    11.24    11.24
##          2    28    18.18    48.70    6.70    17.94
##          3    36    23.38    72.08    8.61    26.56
##          4    20    12.99    85.06    4.78    31.34
##          5    23    14.94    100.00    5.50    36.84
##         <NA>   264             63.16    100.00
##        Total   418    100.00    100.00    100.00    100.00
```

This shows that Russia' strict immigration process was not influential in respondents' plan leave Russia after graduation.

Reasons for not returning home but move to another country

```
#family expectations
freq(Family.expectations.1)
```

```
## Frequencies
## Family.expectations.1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    52    33.99    33.99    12.44    12.44
##          2    18    11.76    45.75    4.31    16.75
##          3    28    18.30    64.05    6.70    23.44
##          4    29    18.95    83.01    6.94    30.38
##          5    26    16.99    100.00    6.22    36.60
##         <NA>   265             63.40    100.00
##        Total   418    100.00    100.00    100.00    100.00
```

This shows that family expectations was not influential in respondents' plan to not return home after graduation.

```
#cultural practices
freq(Restrictive.cultural.practices..eg..pressure.to.marry..1)
```

```
## Frequencies
## Restrictive.cultural.practices..eg..pressure.to.marry..1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    87    56.86    56.86    20.81    20.81
##          2    17    11.11    67.97    4.07    24.88
##          3    21    13.73    81.70    5.02    29.90
##          4    14    9.15    90.85    3.35    33.25
##          5    14    9.15    100.00    3.35    36.60
##         <NA>   265             63.40    100.00
##        Total   418    100.00    100.00    100.00    100.00
```

This shows that restrictive cultural practices was not influential in respondents' plan to not return home

after graduation.

```
#limited job opportunities  
freq(Limited.job.opportunities.in.home.country.1)
```

```
## Frequencies  
## Limited.job.opportunities.in.home.country.1  
##  
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.  
## -----  
##          1    25    16.34    16.34    5.98    5.98  
##          2    11     7.19    23.53    2.63    8.61  
##          3    20    13.07    36.60    4.78   13.40  
##          4    32    20.92    57.52    7.66   21.05  
##          5    65    42.48   100.00   15.55   36.60  
##         <NA>   265             63.40   100.00  
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that limited job opportunities back home was influential in respondents' plan to not return home after graduation.

```
#income levels  
freq(Lower.income.levels.1)
```

```
## Frequencies  
## Lower.income.levels.1  
##  
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.  
## -----  
##          1    26    17.11    17.11    6.22    6.22  
##          2     8     5.26    22.37    1.91    8.13  
##          3    15     9.87    32.24    3.59   11.72  
##          4    33    21.71    53.95    7.89   19.62  
##          5    70    46.05   100.00   16.75   36.36  
##         <NA>   266             63.64   100.00  
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that lower income levels back home was influential in respondents' plan to not return home after graduation.

```
#quality of life  
freq(Lower.quality.of.life.3)
```

```
## Frequencies  
## Lower.quality.of.life.3  
##  
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.  
## -----  
##          1    26    16.99    16.99    6.22    6.22  
##          2    12     7.84    24.84    2.87    9.09  
##          3    30    19.61    44.44    7.18   16.27  
##          4    27    17.65    62.09    6.46   22.73  
##          5    58    37.91   100.00   13.88   36.60  
##         <NA>   265             63.40   100.00  
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that lower quality of life back home was influential in respondents' plan to not return home after graduation.

```
#political persecution
freq(Political.persecution.1)
```

```
## Frequencies
## Political.persecution.1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    57    37.50    37.50    13.64    13.64
##          2    17    11.18    48.68     4.07    17.70
##          3    27    17.76    66.45     6.46    24.16
##          4    22    14.47    80.92     5.26    29.43
##          5    29    19.08   100.00     6.94    36.36
##         <NA>   266             63.64   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that fear of political persecution back home was not influential in respondents' plan to not return home after graduation.

```
#danger to one's life
freq(Danger.or.fear.for.one.s.own.life.1)
```

```
## Frequencies
## Danger.or.fear.for.one.s.own.life.1
##
##          Freq  % Valid  % Valid Cum.  % Total  % Total Cum.
## -----
##          1    76    49.67    49.67    18.18    18.18
##          2    24    15.69    65.36     5.74    23.92
##          3    18    11.76    77.12     4.31    28.23
##          4    20    13.07    90.20     4.78    33.01
##          5    15     9.80   100.00     3.59    36.60
##         <NA>   265             63.40   100.00
##        Total   418   100.00   100.00  100.00  100.00
```

This shows that fear for one's own life back home was not influential in respondents' plan to not return home after graduation.