

Data Analysis

Gabriel

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defining the working directory

```
getwd()

## [1] "C:/Users/GHOOST/Desktop/New Lit/data"
setwd("C:/Users/GHOOST/Desktop/New Lit/data")
```

attaching the packages

```
library(car)

## Loading required package: carData
library(foreign)

## Warning: package 'foreign' was built under R version 3.5.2
library(ggplot2)

## Warning: package 'ggplot2' was built under R version 3.5.3
library(gridExtra)
library(summarytools)

## Warning: package 'summarytools' was built under R version 3.5.3
## For best results, restart R session and update pander using devtools:: or remotes::install_github('r
library(sjPlot)

## Warning: package 'sjPlot' was built under R version 3.5.3
## Warning in checkMatrixPackageVersion(): Package version inconsistency detected.
## TMB was built with Matrix version 1.2.15
## Current Matrix version is 1.2.14
## Please re-install 'TMB' from source using install.packages('TMB', type = 'source') or ask CRAN for a
```

attaching the data

```
data<-read.csv("International Students Survey.csv")

attach(data)
```

Data preparation

Age

```
table(Age)
```

```
## Age
## 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 40 46 52
## 10 32 34 40 27 47 46 41 32 26 17 14 8 9 2 3 5 6 2 1 1 1
```

```
summary(as.numeric(Age))
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.     NA's
##    17.00   20.00   23.00   23.26   25.00   52.00        14
```

```
data$age<-recode(as.numeric(Age),"17:21=1; 22:26=2;27:hi=3")
```

```
table(data$age)
```

```
##
##      1      2      3
## 143 192  69
```

```
data$age<-factor(data$age,lab=c("17 to 21 yrs", "22 to 26 yrs", " 27 yrs and older"))
```

country regions

```
table(Home.country)
```

```
## Home.country
##
##                      Algeria
##                      32      5
##                      Armenia Australia
##                      6      2
##                      Austria Azerbaijan
##                      1      4
##                      Bahrain Bangladesh
##                      1      3
##                      Belarus Bosnia and Herzegovina
##                      24      2
##                      Botswana Brazil
##                      1      1
##                      Bulgaria Cameroon
##                      5      2
##                      Chad China
##                      1      26
##                      Colombia Congo
##                      4      1
##                      DR Congo Ecuador
##                      1      3
##                      Egypt Eritrea
##                      2      1
##                      Estonia Europe
##                      1      1
##                      France Gambia
##                      3      2
##                      Georgia Germany
##                      2      5
##                      Ghana Guatemala
##                      19      1
##                      Haiti Hong Kong
```

##	1	1
##	India	Indonesia
##	11	9
##	Iran	Israel
##	4	1
##	Italy	Ivory Coast
##	8	1
##	Japan	Kazakhstan
##	1	28
##	Kenya	Kyrgyzstan
##	1	18
##	Latvia	Lebanon
##	2	3
##	Madagascar	Mexico
##	1	4
##	Moldova	Mongolia
##	15	2
##	Nepal	Nicaragua
##	1	1
##	Niger	Nigeria
##	1	11
##	Pakistan	Philippines
##	3	1
##	Poland	Portugal
##	1	1
##	Republic of North Macedonia	Serbia
##	2	1
##	South Africa	South Korea
##	2	4
##	Spain	Sri Lanka
##	4	2
##	Sudan	Switzerland
##	1	1
##	Syria	Taiwan
##	4	2
##	Tajikistan	Thailand
##	6	2
##	Turkey	Turkmenistan
##	2	2
##	Uganda	Ukraine
##	1	25
##	USA	Uzbekistan
##	4	46
##	Vietnam	Zambia
##	13	1

```
data$region[data$Home.country == 'Algeria'|
data$Home.country == 'Botswana'| data$Home.country == 'Cameroon'|
data$Home.country == 'Chad'| data$Home.country == 'Congo'|
data$Home.country == 'DR Congo'|data$Home.country == 'Eritrea'|
data$Home.country == 'Ivory Coast'|
data$Home.country == 'Gambia'|data$Home.country == 'Ghana'|
data$Home.country == 'Kenya'|data$Home.country == 'Madagascar'|
data$Home.country == 'Niger'|data$Home.country == 'Nigeria'|
```

```

data$Home.country == 'South Africa'|data$Home.country == 'Sudan'|
data$Home.country == 'Uganda'|data$Home.country == 'Zambia'] <- 'Africa'

data$region[data$Home.country == 'Australia'| data$Home.country == 'Austria'|
data$Home.country == 'Bosnia and Herzegovina'|
data$Home.country == 'Bulgaria'| data$Home.country == 'Europe'|
data$Home.country == 'France'| data$Home.country == 'Germany'|
data$Home.country == 'Italy'|data$Home.country == 'Poland'|
data$Home.country == 'Portugal'|data$Home.country == 'Serbia'|
data$Home.country == 'Spain'|data$Home.country == 'Switzerland'|
data$Home.country == 'Republic of North Macedonia'|
data$Home.country == 'USA'] <- 'Europe, USA & Australia'

data$region[data$Home.country == 'Armenia'|
data$Home.country == 'Azerbaijan'|data$Home.country == 'Belarus'|
data$Home.country == 'Estonia'|data$Home.country == 'Georgia'|
data$Home.country == 'Georgia'|data$Home.country == 'Kazakhstan'|
data$Home.country == 'Kyrgyzstan'|data$Home.country == 'Latvia'|
data$Home.country == 'Moldova'|data$Home.country == 'Tajikistan'|
data$Home.country == 'Turkmenistan'|data$Home.country == 'Ukraine'|
data$Home.country == 'Uzbekistan'] <- 'Former Soviet Republics'

data$region[data$Home.country == 'Bahrain'|
data$Home.country == 'Egypt'| data$Home.country == 'Iran'|
data$Home.country == 'Israel'| data$Home.country == 'Lebanon'|
data$Home.country == 'Syria'|
data$Home.country == 'Turkey'] <- 'Middle East'

data$region[data$Home.country == 'Bangladesh'|
data$Home.country == 'India'| data$Home.country == 'Nepal'|
data$Home.country == 'Pakistan'|
data$Home.country == 'Sri Lanka'] <- 'Southern Asia'

data$region[data$Home.country == 'Brazil'|
data$Home.country == 'Colombia'|data$Home.country == 'Ecuador'|
data$Home.country == 'Guatemala'| data$Home.country == 'Haiti'|
data$Home.country == 'Mexico'|
data$Home.country == 'Nicaragua'] <- 'Southern America'

data$region[data$Home.country == 'China'|
data$Home.country == 'Japan'|data$Home.country == 'Mongolia'|
data$Home.country == 'South Korea'|data$Home.country == 'Hong Kong'|
data$Home.country == 'Taiwan'] <- 'Eastern Asia'

data$region[data$Home.country == 'Indonesia'|
data$Home.country == 'Philippines'|data$Home.country == 'Thailand'|
data$Home.country == 'Vietnam'] <- 'Southern Eastern Asia'

table(data$region, useNA = "ifany")

```

```
##
##           Africa           Eastern Asia Europe, USA & Australia
##           53              36              41
## Former Soviet Republics           Middle East           Southern America
##           179              17              15
##           Southern Asia Southern Eastern Asia           <NA>
##           20              25              32
```

```
attach(data)
```

```
## The following objects are masked from data (pos = 3):
```

```
##
## Age, Attraction.to.Russian.culture..society,
## Availability.of.desired.study.program,
## Availability.of.scholarships,
## Awarded.scholarships.or.tuition.waiver,
## Better.career.opportunities.and.advancement.in.chosen.profession,
## Better.career.opportunities.and.advancement.in.chosen.profession.1,
## Better.earning.prospects.abroad, Better.job.opportunities,
## Better.job.opportunities..in.comparison.with.home.country.,
## Better.professional.opportunities.in.home.country,
## Better.quality.of.living.in.home.country,
## Career.prospects.in.Russia,
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institut
## Cost.of.tuition.for.international.students,
## Crime.and.low.level.of.safety,
## Crime.and.low.level.of.safety.1, cultural.proximity.with.home,
## Danger.or.fear.for.one.s.own.life,
## Danger.or.fear.for.one.s.own.life.1,
## Difficulties.in.finding.a.job,
## Difficulties.in.finding.a.job.1,
## Encouragement.from..my.friends.to.study.abroad,
## Encouragement.from.my.family.to.study.abroad,
## Family.expectations, Family.expectations.1, Family.status,
## Family.ties.back.home, Feeling.more.comfortable.at.home,
## Feelings.of.alienation.from.the.Russian.culture.and.population,
## Feelings.of.alienation.from.the.Russian.culture.and.population.1,
## Flexible.immigration.process, Gain.international.experience,
## Gain.international.experience.1, Gender,
## geographical.proximity.with.home, Graduates.employment.rates,
## Have.you.ever.been.in.Russia.before.you.enrolled.for.your.current.program,
## Higher.income.level, Higher.income.levels,
## Higher.income.levels.1,
## Higher.quality.of.education..compared.to.home.country.,
## Higher.quality.of.life,
## Higher.quality.of.life..in.comparison.with.home.country.,
## Home.country,
## How.are.you.financing.your.participation.in.the.program.,
## How.long.have.you.been.in.Russia.studying.for.your.current.program.,
## HSE.position.in.international.university.rankings,
## HSE.s.international.strategic.alliances,
## Indicate.any.other.factor.that.has.influenced.your.plan.to.leave.Russia.after.graduation,
## Indicate.any.other.factor.that.has.influenced.your.plan.to.leave.Russia.after.graduation.1,
## Indicate.any.other.factor.that.has.influenced.your.plan.to.move.to.another.country.after.graduat
## Indicate.any.other.factor.that.has.influenced.your.plan.to.return.home.after.graduation,
```

```

## Indicate.any.other.factor.that.has.influenced.your.plan.to.stay.in.Russia.after.graduation,
## Indicate.any.other.factor.that.influenced.your.plan.not.to.return.home.after.graduation,
## Indicate.any.other.factor.that.influenced.your.plan.not.to.return.home.after.graduation.1,
## Limited.job.opportunities.in.home.country,
## Limited.job.opportunities.in.home.country.1,
## Local.employers.preference.of..degrees.awarded.by.HSE,
## Low.cost.of.living, Low.quality.of.education,
## Low.tuition.fees, Lower.income.levels, Lower.income.levels.1,
## Lower.quality.of.life, Lower.quality.of.life.1,
## Lower.quality.of.life.2, Lower.quality.of.life.3,
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market,
## Perceived.or.experienced.discrimination,
## Perceived.or.experienced.discrimination.1,
## Personal.recommendations.from.parents..relatives..and.friends,
## Please.indicate.any.other.factor.that.influenced.your.choice.of.HSE.as.your.preferred.university
## Please.indicate.any.other.factor.that.influenced.your.decision.of.choosing.Russia.as.a.place.to.
## Please.indicate.any.other.other.factor.that.influenced.your.decision.in.leaving.your.home.country.
## Please.indicate.the.study.program,
## Please.provide.your.contact.details..Email.,
## Political.persecution, Political.persecution.1,
## Poor.working.conditions, Poor.working.conditions.1,
## Quality.and.reputation.of.the.University,
## Quality.of.the.teaching.staff,
## Recognition.of.the.degree.in.my.home.country,
## Restrictive.cultural.practices..eg..pressure.to.marry.,
## Restrictive.cultural.practices..eg..pressure.to.marry..1,
## Strict.migration.process.difficulties.in.getting.visas.,
## Strict.migration.process.difficulties.in.getting.visas..1,
## Support.services.for.international.students,
## The.reputation.of.the.alumni,
## The.reputation.of.the.international.community,
## The.social.prestige.of.studying.abroad,
## Ties.to.family.and.friends, Ties.to.family.and.friends.1,
## Timestamp, To.experience.a.different.culture,
## Unavailability.of.scholarship.opportunities,
## Unavailability.of.the.desired.study.program,
## What.are.your.plans.after.graduation.,
## What.country..or.countries..are.you.considering.migrating.to.,
## What.degree.are.you.currently.studying.for.,
## What.is.the.language.of.instruction.for.your.program.,
## What.was.your.annual.family.income.when.you.were.applying.to.study.abroad..estimate.in.US.dollar.
## What.will.be.your.reason.for.moving.to.another.country.after.graduation.,
## What.will.be.your.reason.for.returning.home.after.graduation.,
## What.will.be.your.reason.for.staying.in.Russia.after.graduation.,
## Would.you.be.willing.to.take.part.in.one.of.our.interviews.

```

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
```

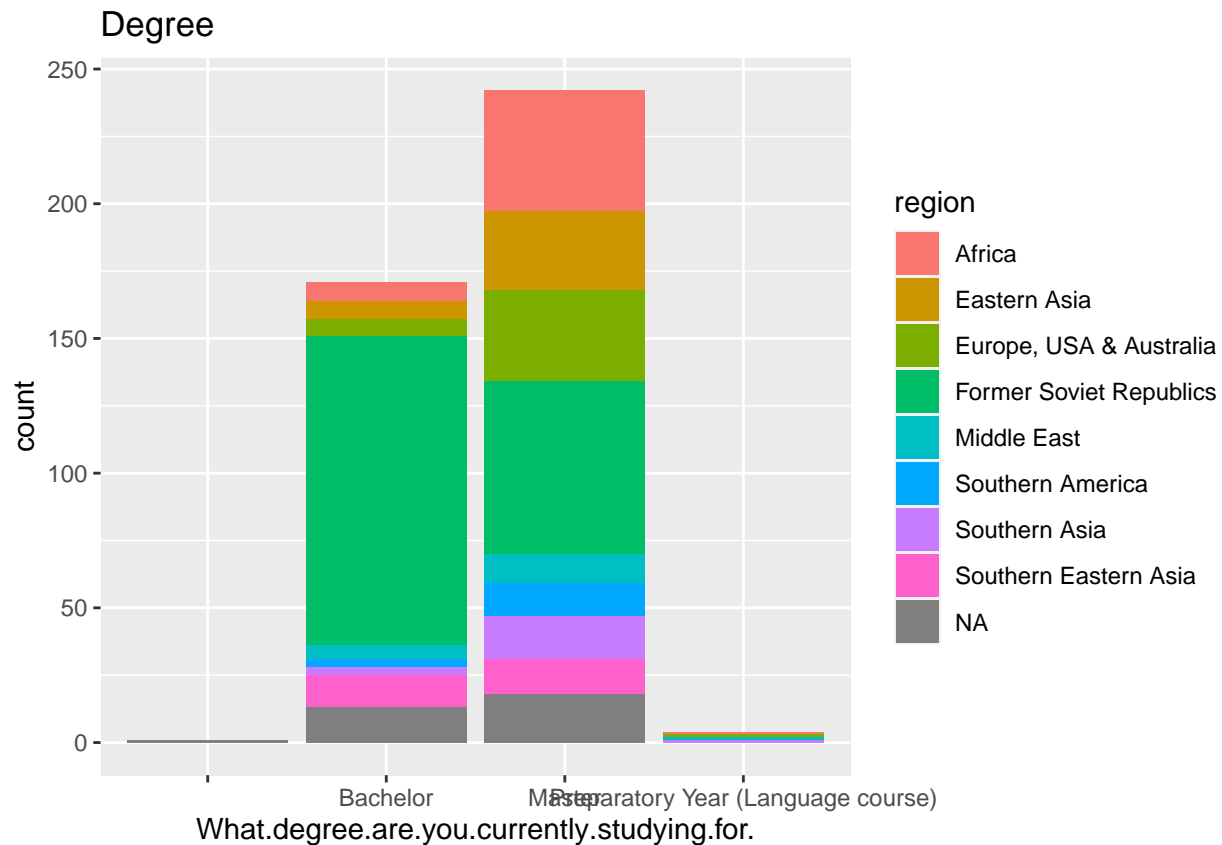
```
## What.degree.are.you.currently.studying.for.
```

```
## 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
```

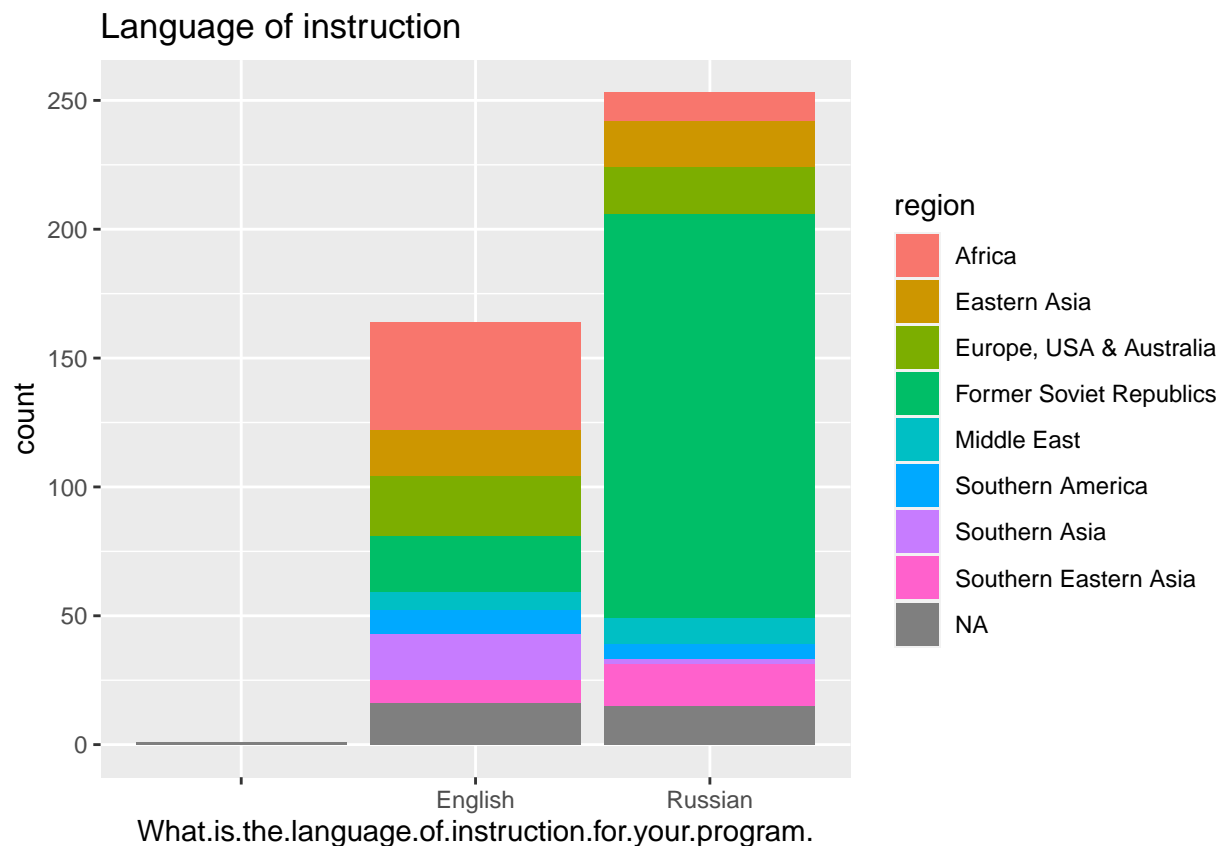
```
## What.is.the.language.of.instruction.for.your.program.
```

```
## 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     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
```

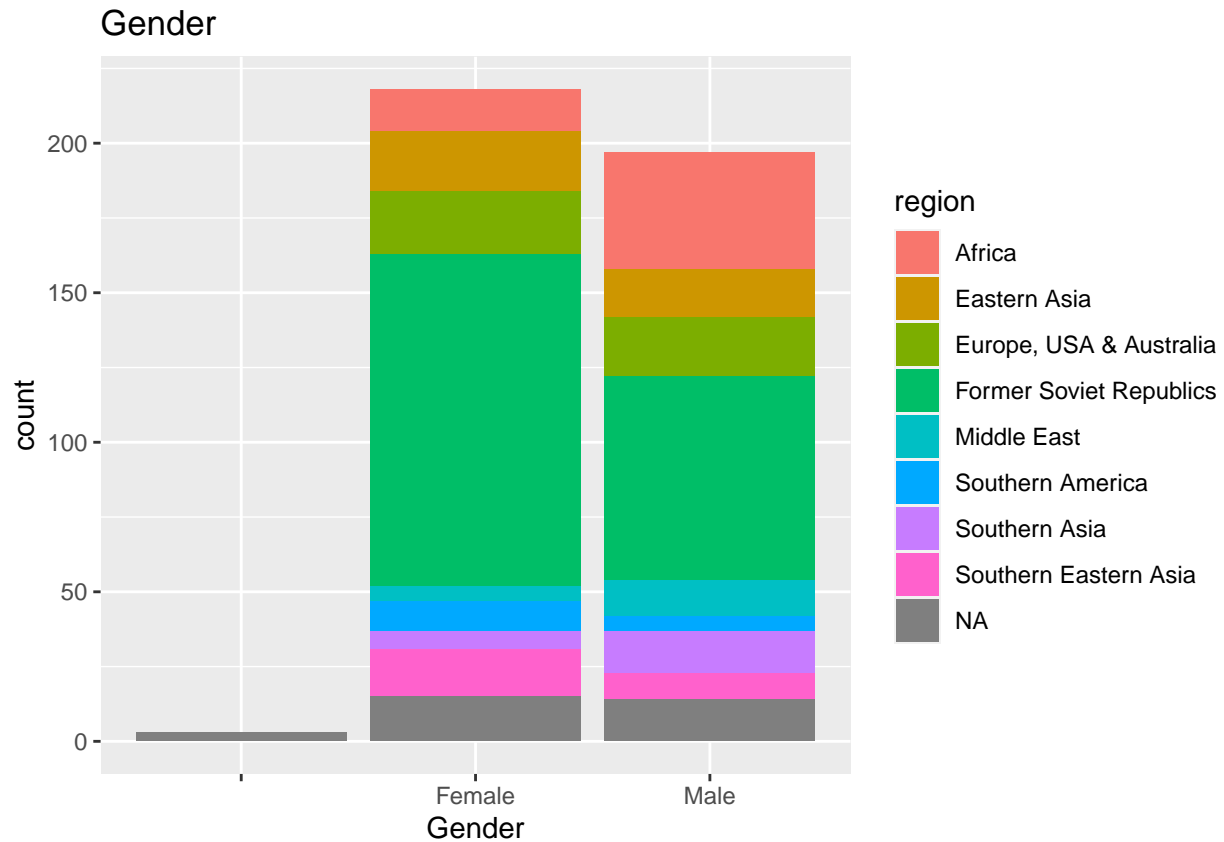
```
##
```

```
##           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           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.

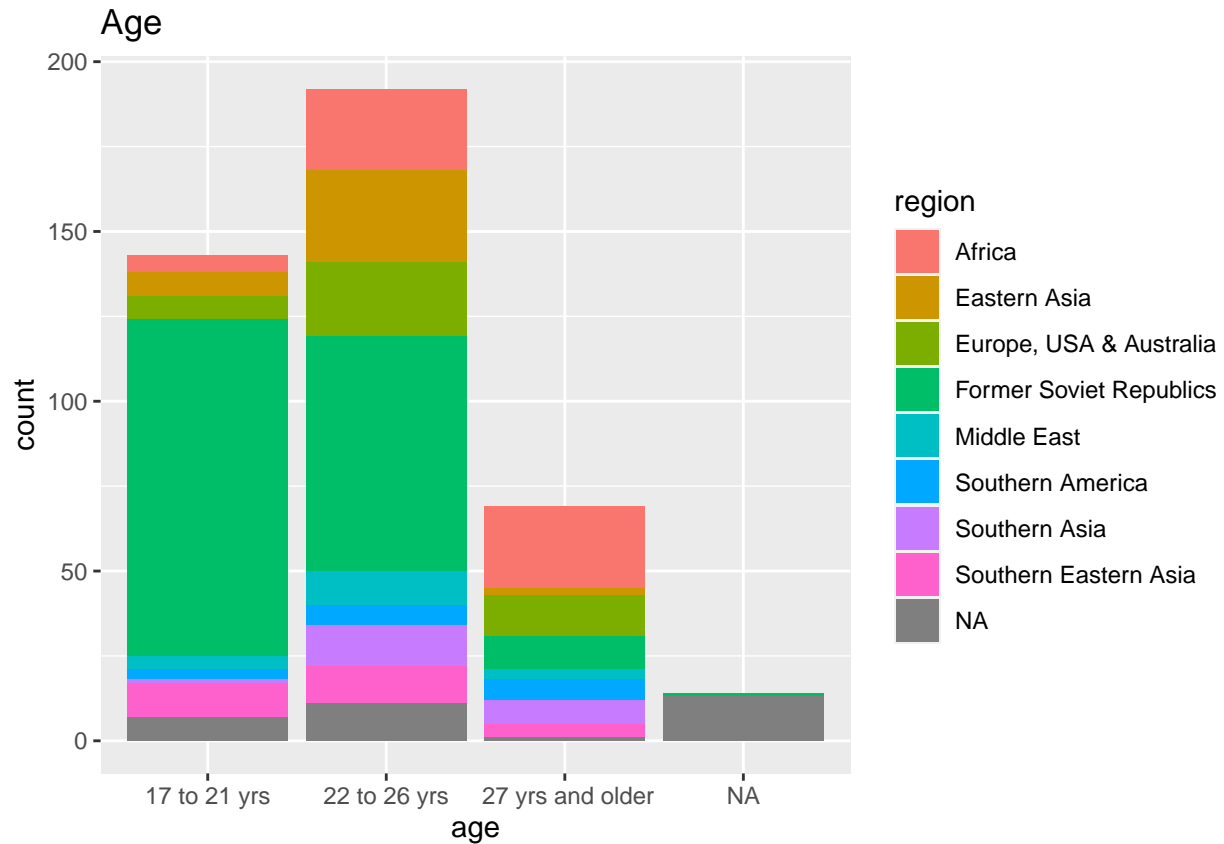
Age

```
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	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
```

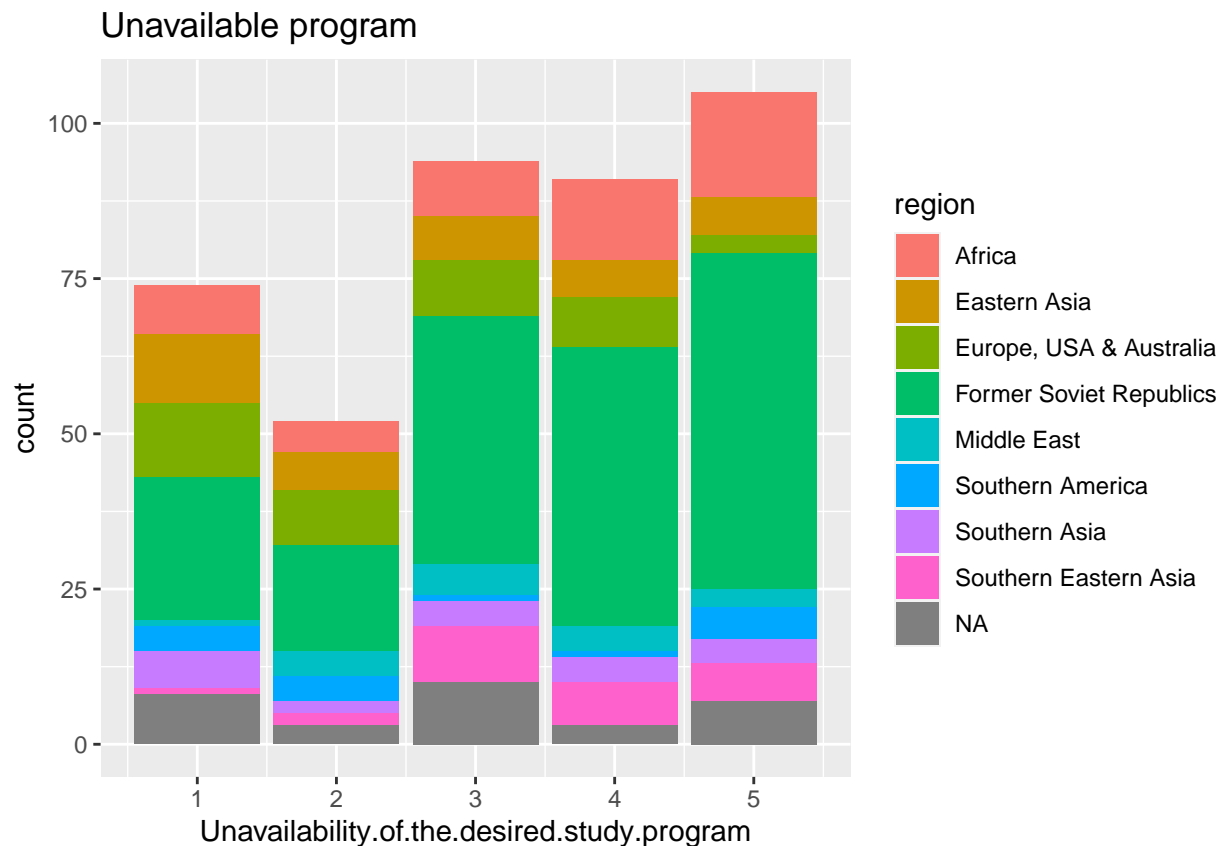
```
## Unavailability.of.the.desired.study.program
```

```
##
```

	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			0.48	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
```

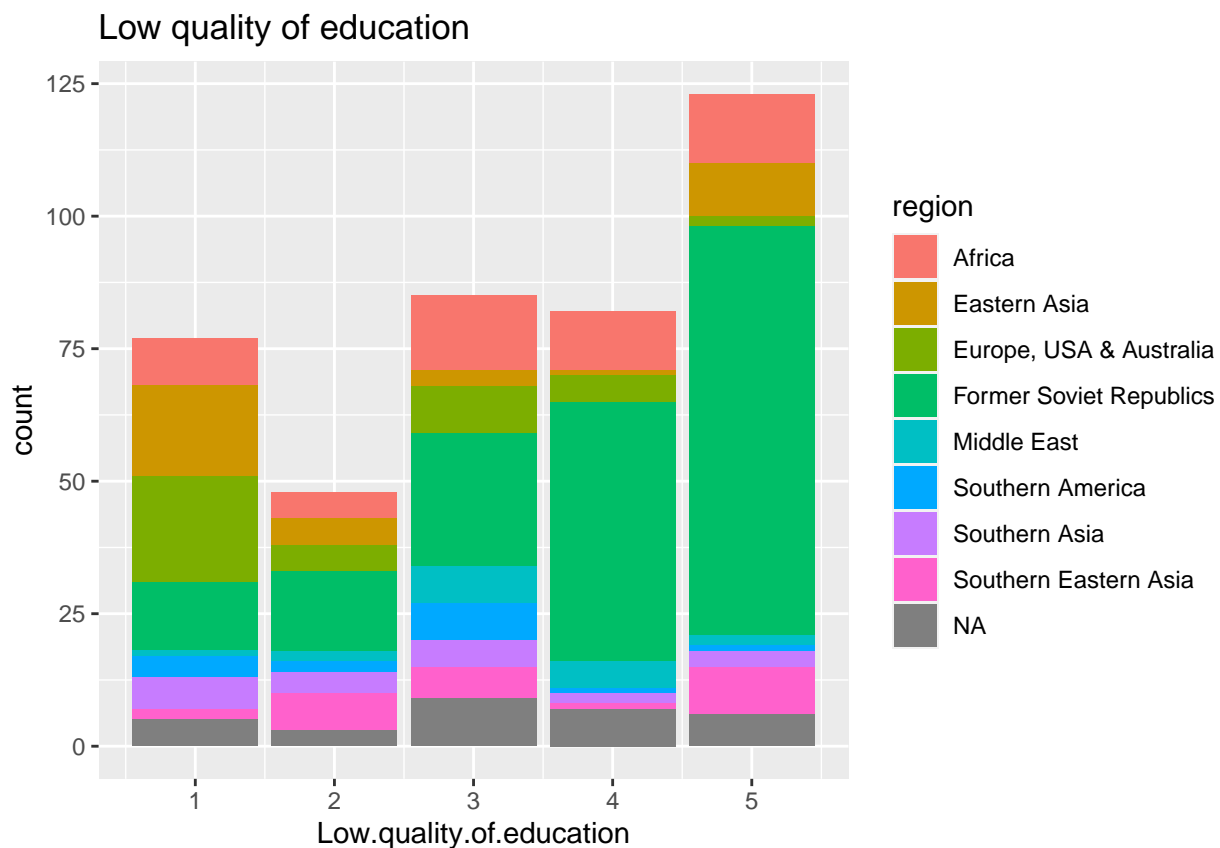
```
## Low.quality.of.education
```

```
##
```

	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
```

```
##
```

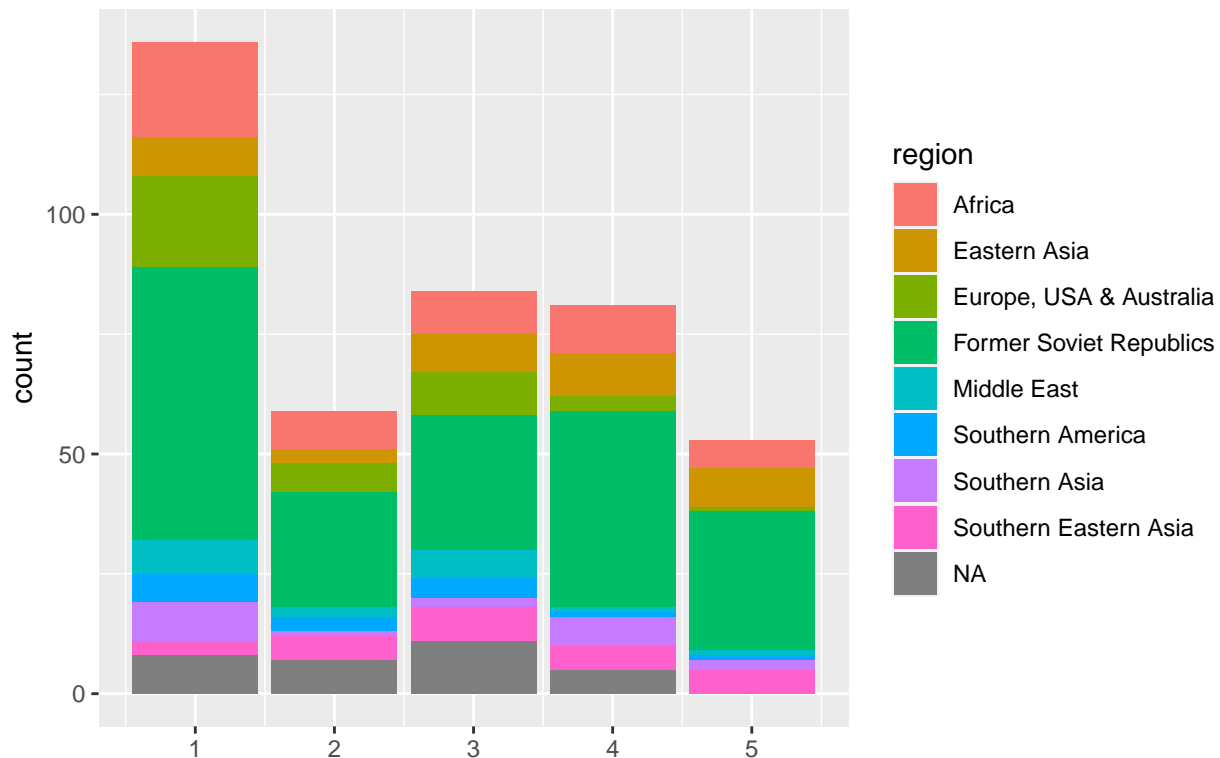
	Freq	% Valid	% Valid Cum.	% Total	% Total Cum.

```
##          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
```

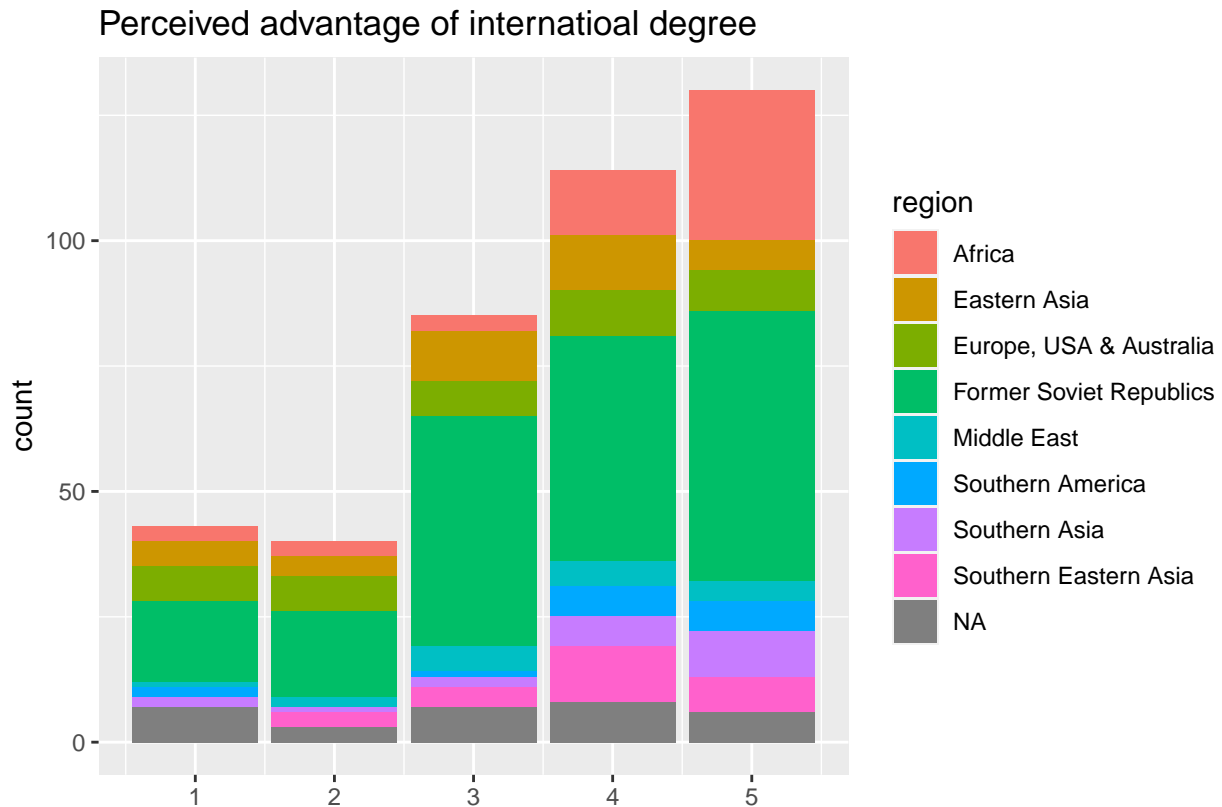
```
##
```

```
##          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).
```



```
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)
```

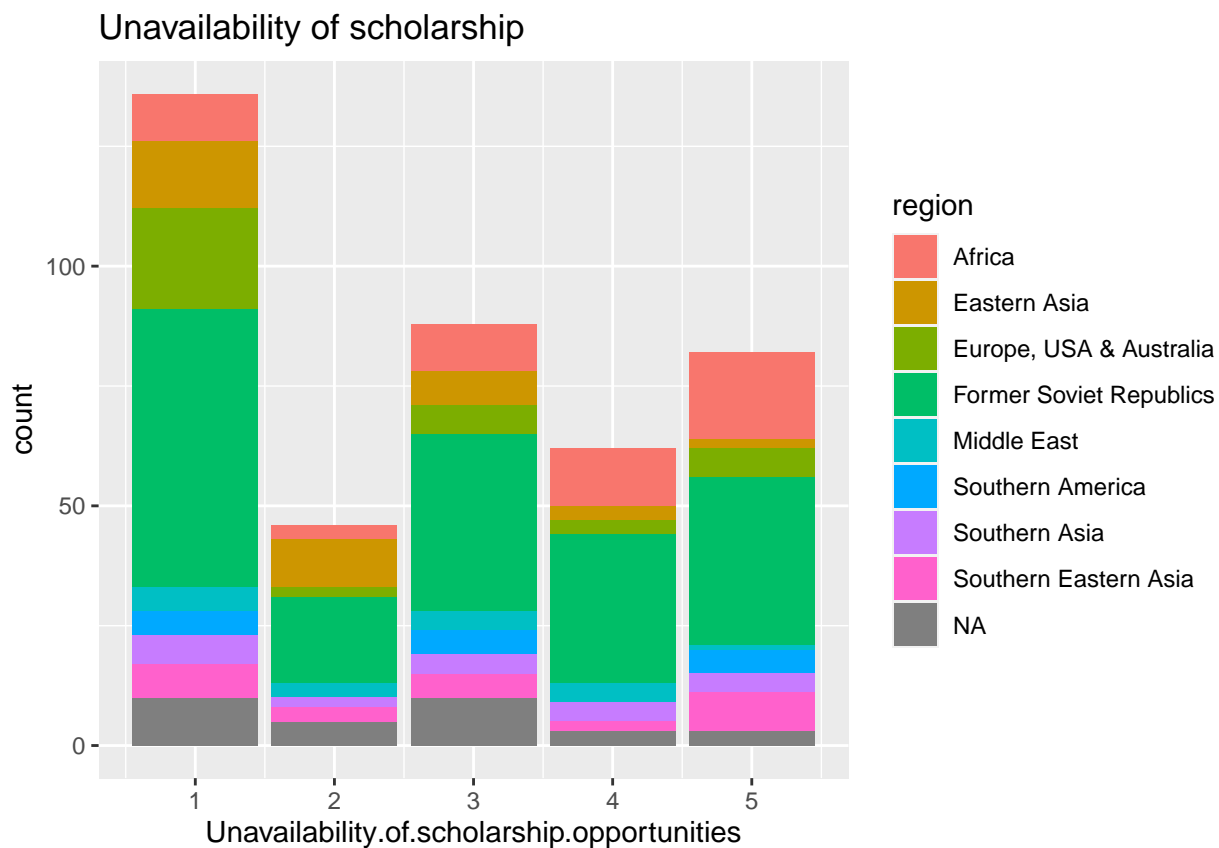
```
## Frequencies
```

```
## 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
##          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).
```



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
```

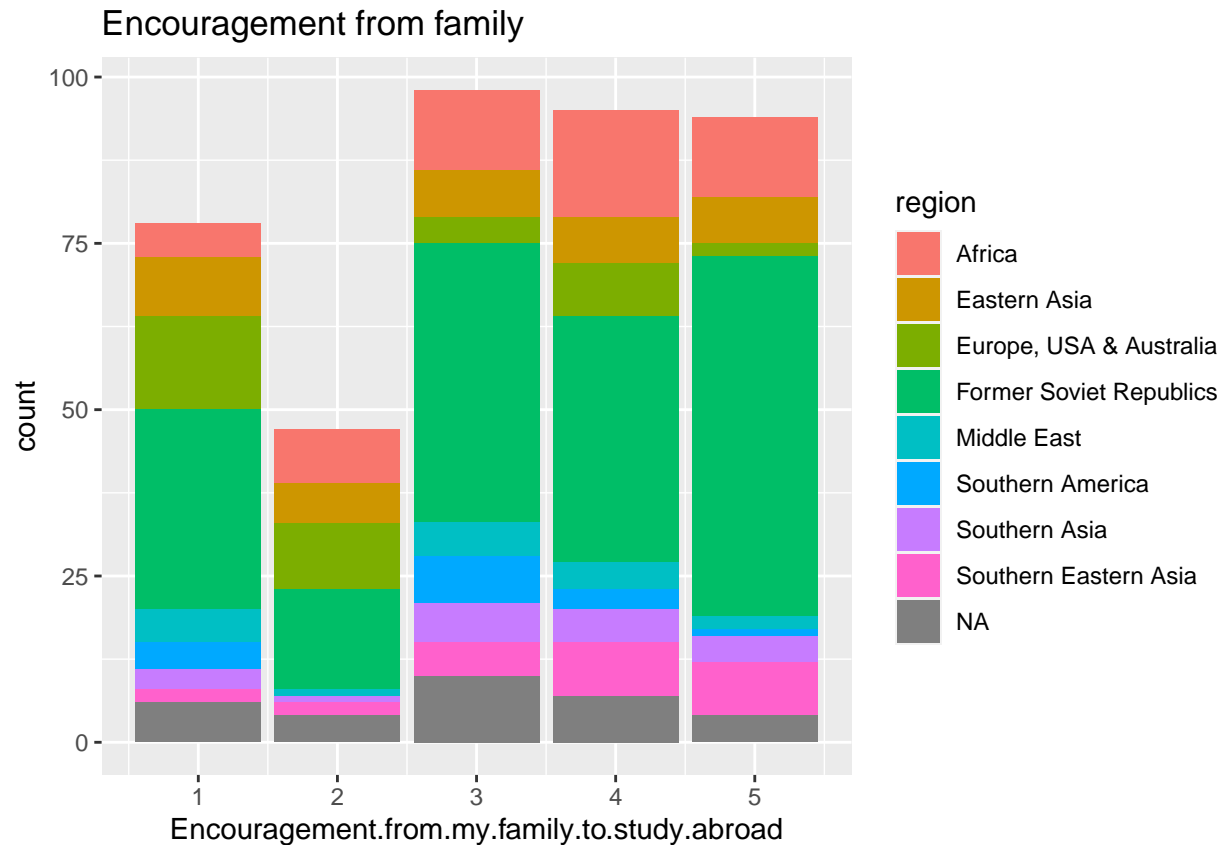
```
## Encouragement.from.my.family.to.study.abroad
```

```
##
```

	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=
```

```
## 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
```

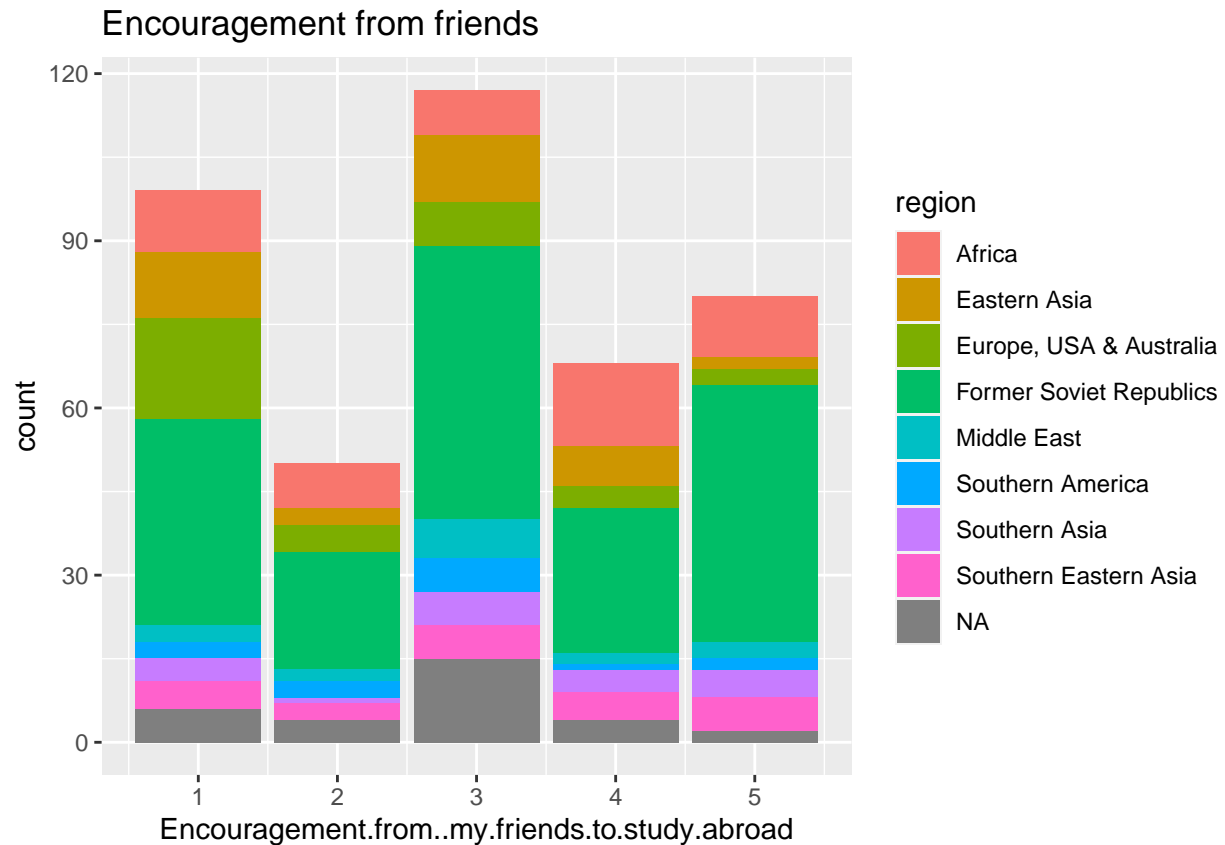
```
##      5    80    19.32   100.00    19.14    99.04
```

```
##     <NA>     4         0.96   100.00
```

```
##     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(ti
```

```
## 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.

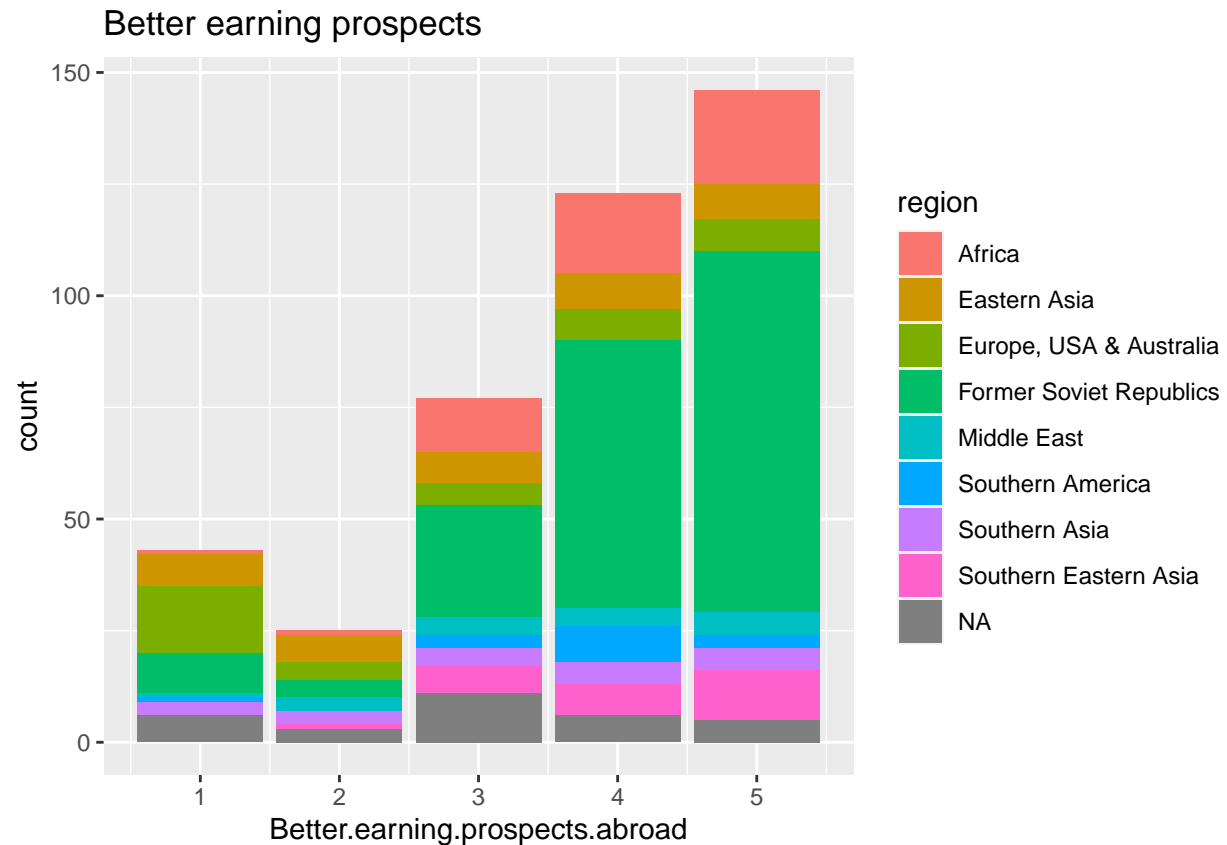
Better earning prospects abroad

```
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
```

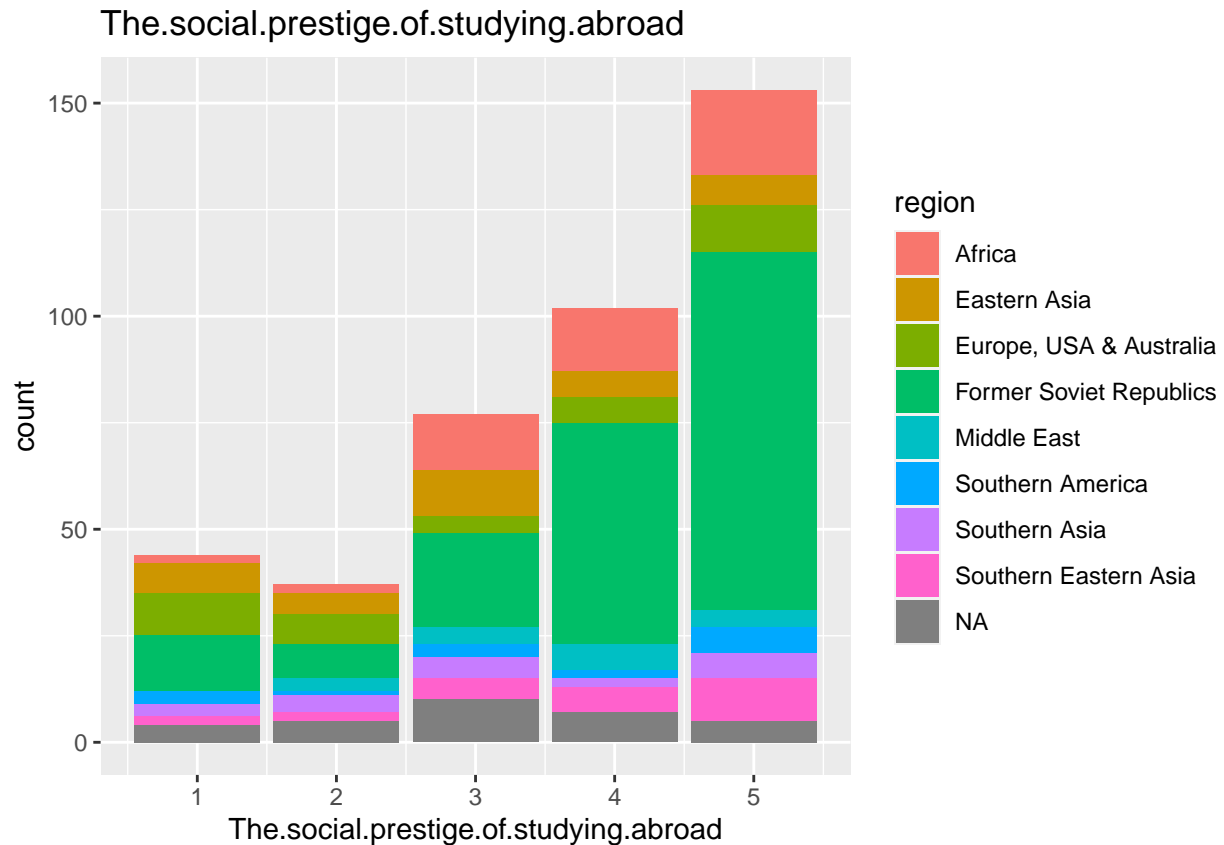
```
## The.social.prestige.of.studying.abroad
```

```
##
```

	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
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.

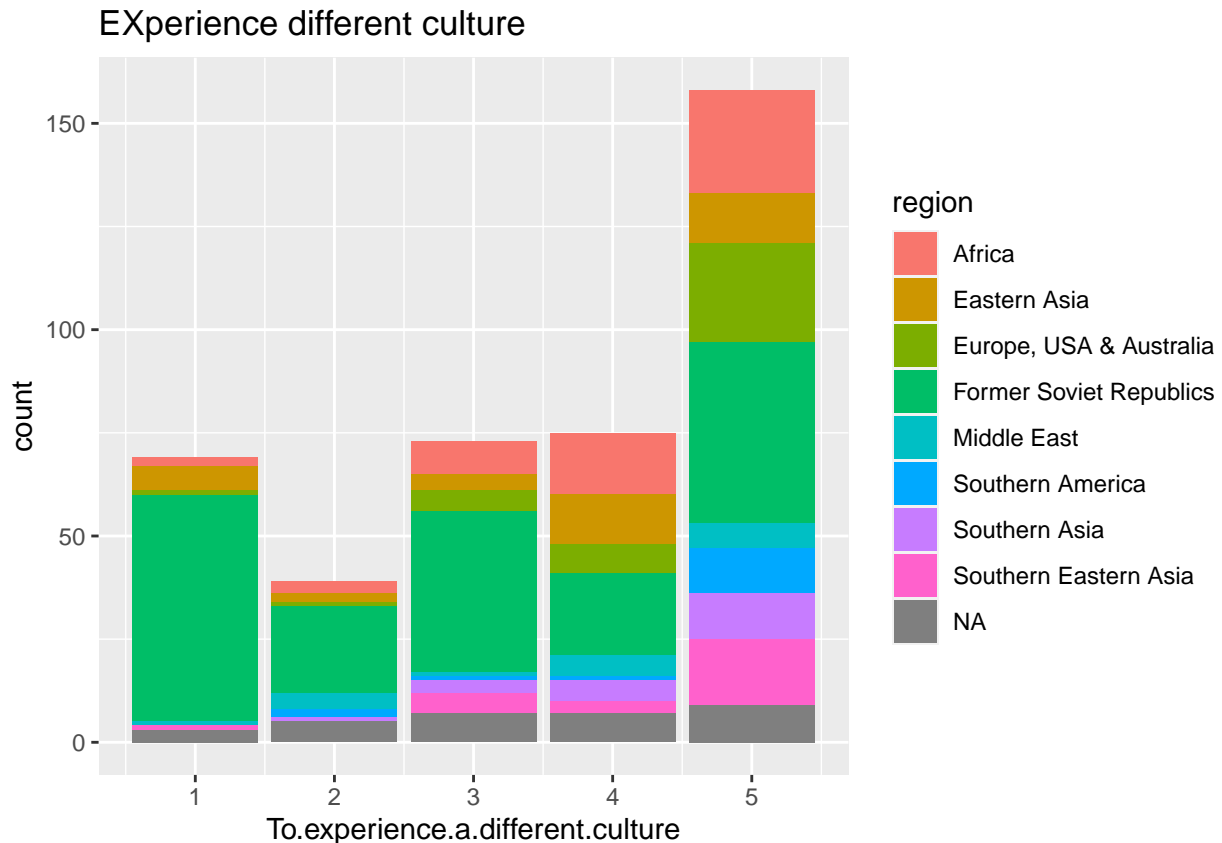
Experience different culture

```
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      100.00     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="Experience different culture")
```

```
## 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

```
model0<-lm(as.numeric(What.degree.are.you.currently.studying.for.)~1, data = data)
summary(model0)
```

```
##
## Call:
## lm(formula = as.numeric(What.degree.are.you.currently.studying.for.) ~
##     1, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.5957 -0.5957  0.4043  0.4043  1.4043
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    2.5957     0.0252    103 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5152 on 417 degrees of freedom
```

Full Model

```
model1<-lm(as.numeric(What.degree.are.you.currently.studying.for.)~Unavailability.of.the.desired.study.  
summary(model1)
```

```
##  
## Call:  
## lm(formula = as.numeric(What.degree.are.you.currently.studying.for.) ~  
##     Unavailability.of.the.desired.study.program + Low.quality.of.education +  
##     Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.ins  
##     Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market +  
##     Unavailability.of.scholarship.opportunities + Encouragement.from.my.family.to.study.abroad +  
##     Encouragement.from..my.friends.to.study.abroad + Better.earning.prospects.abroad +  
##     The.social.prestige.of.studying.abroad + To.experience.a.different.culture,  
##     data = data)  
##  
## Residuals:  
##      Min       1Q   Median       3Q      Max   
## -1.0051 -0.4705  0.1500  0.3970  1.4850   
##  
## Coefficients:  
##  
## (Intercept)  
## Unavailability.of.the.desired.study.program  
## Low.quality.of.education  
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution  
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market  
## Unavailability.of.scholarship.opportunities  
## Encouragement.from.my.family.to.study.abroad  
## Encouragement.from..my.friends.to.study.abroad  
## Better.earning.prospects.abroad  
## The.social.prestige.of.studying.abroad  
## To.experience.a.different.culture  
##  
## (Intercept)  
## Unavailability.of.the.desired.study.program  
## Low.quality.of.education  
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution  
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market  
## Unavailability.of.scholarship.opportunities  
## Encouragement.from.my.family.to.study.abroad  
## Encouragement.from..my.friends.to.study.abroad  
## Better.earning.prospects.abroad  
## The.social.prestige.of.studying.abroad  
## To.experience.a.different.culture  
##  
## (Intercept)  
## Unavailability.of.the.desired.study.program  
## Low.quality.of.education  
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution  
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market  
## Unavailability.of.scholarship.opportunities  
## Encouragement.from.my.family.to.study.abroad  
## Encouragement.from..my.friends.to.study.abroad
```

```
## Better.earning.prospects.abroad
## The.social.prestige.of.studying.abroad
## To.experience.a.different.culture
##
## (Intercept)
## Unavailability.of.the.desired.study.program
## Low.quality.of.education
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market
## Unavailability.of.scholarship.opportunities
## Encouragement.from.my.family.to.study.abroad
## Encouragement.from..my.friends.to.study.abroad
## Better.earning.prospects.abroad
## The.social.prestige.of.studying.abroad
## To.experience.a.different.culture
##
## (Intercept)
## Unavailability.of.the.desired.study.program
## Low.quality.of.education
## Competitive.university.admission.process..difficult.to.gain.admission.to.a.quality.local.institution
## Perceived.advantage.of.international.degree.over.a.local.one.at.the.local.job.market
## Unavailability.of.scholarship.opportunities
## Encouragement.from.my.family.to.study.abroad
## Encouragement.from..my.friends.to.study.abroad
## Better.earning.prospects.abroad
## The.social.prestige.of.studying.abroad
## To.experience.a.different.culture
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4817 on 395 degrees of freedom
##   (12 observations deleted due to missingness)
## Multiple R-squared:  0.1378, Adjusted R-squared:  0.116
## F-statistic: 6.314 on 10 and 395 DF,  p-value: 5.223e-09
```

Results

```
tab_model(model1, show.ci = F, title = "Push Factors" )
```

Push Factors

as numeric(What degree are you currently studying for)

Predictors

Estimates

p

(Intercept)

2.59

<0.001

Unavailability of the desired study program

0.03

0.147	
Low quality of education	
-0.03	
0.121	
Competitive university admission process difficult to gain admission to a quality local institution	
-0.04	
0.032	
Perceived advantage of international degree over a local one at the local job market	
0.06	
0.014	
Unavailability of scholarship opportunities	
0.03	
0.165	
Encouragement from my family to study abroad	
-0.03	
0.129	
Encouragement from my friends to study abroad	
0.01	
0.589	
Better earning prospects abroad	
-0.04	
0.161	
The social prestige of studying abroad	
-0.06	
0.028	
To experience a different culture	
0.08	
<0.001	
Observations	
406	
R ² / adjusted R ²	
0.138 / 0.116	

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
```

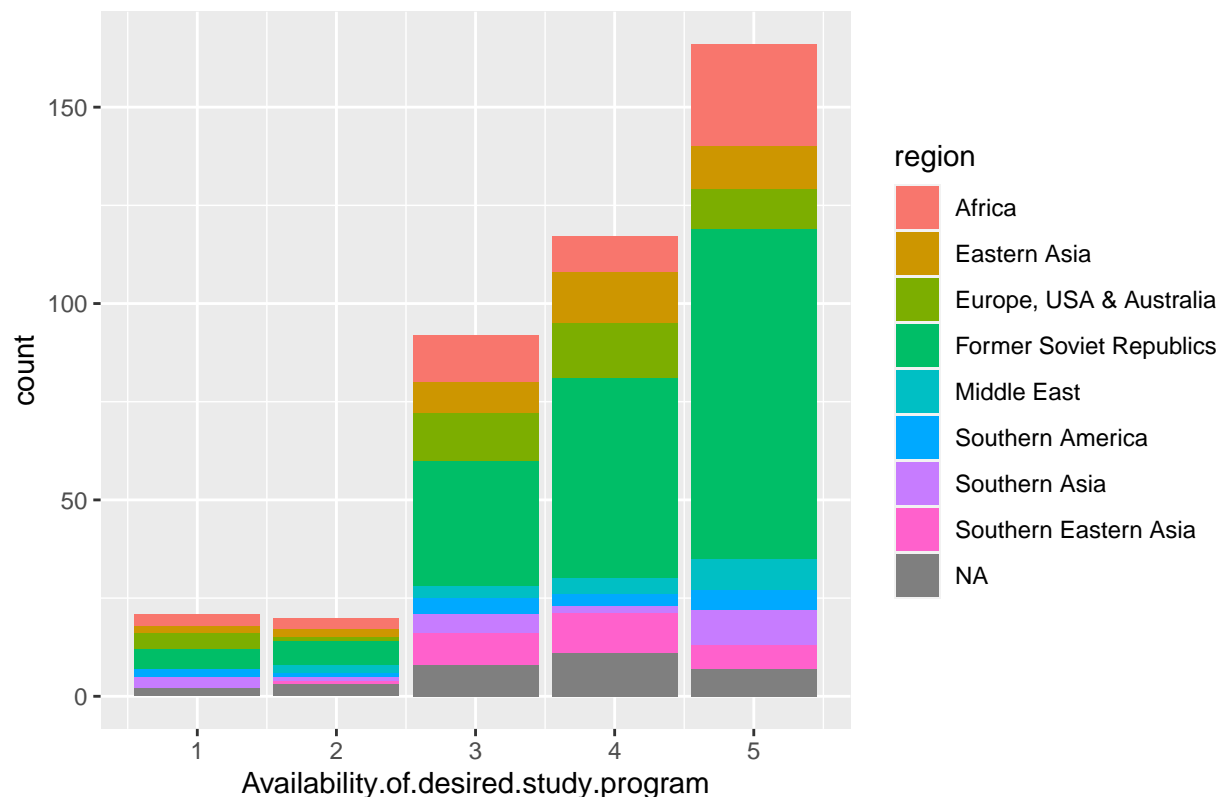
```
##
```

		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="Availi
```

```
## 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
```

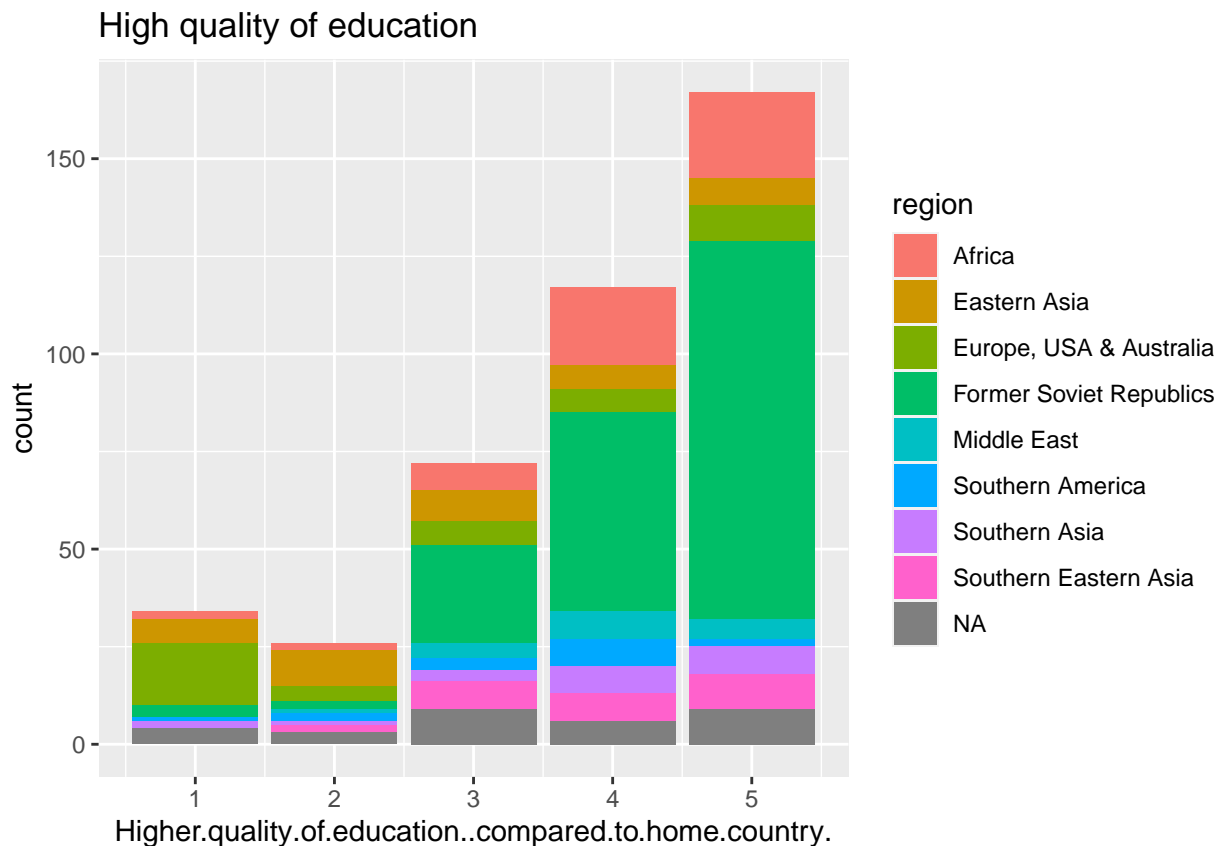
```
## Higher.quality.of.education..compared.to.home.country.
```

```
##
```

	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
```

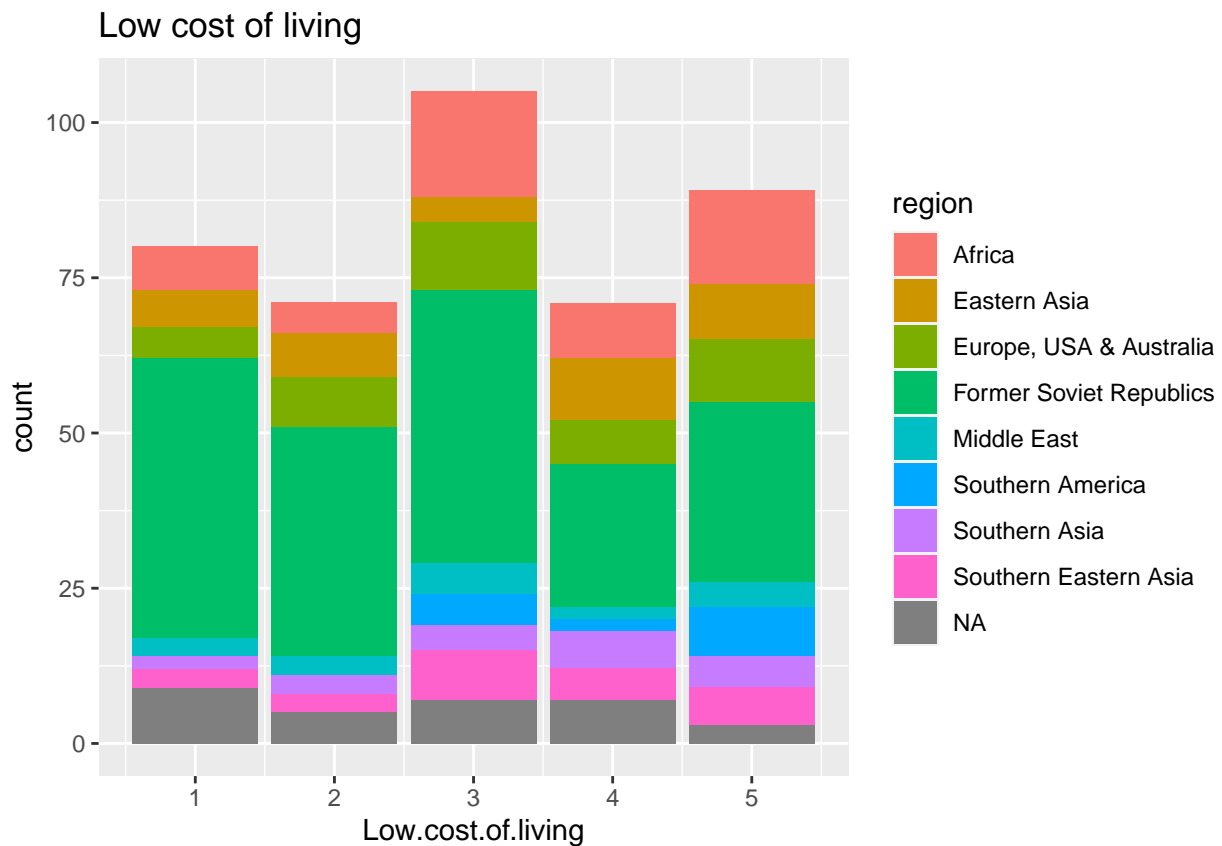
```
## Low.cost.of.living
```

```
##
```

##		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
##	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)
```

##		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              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
```

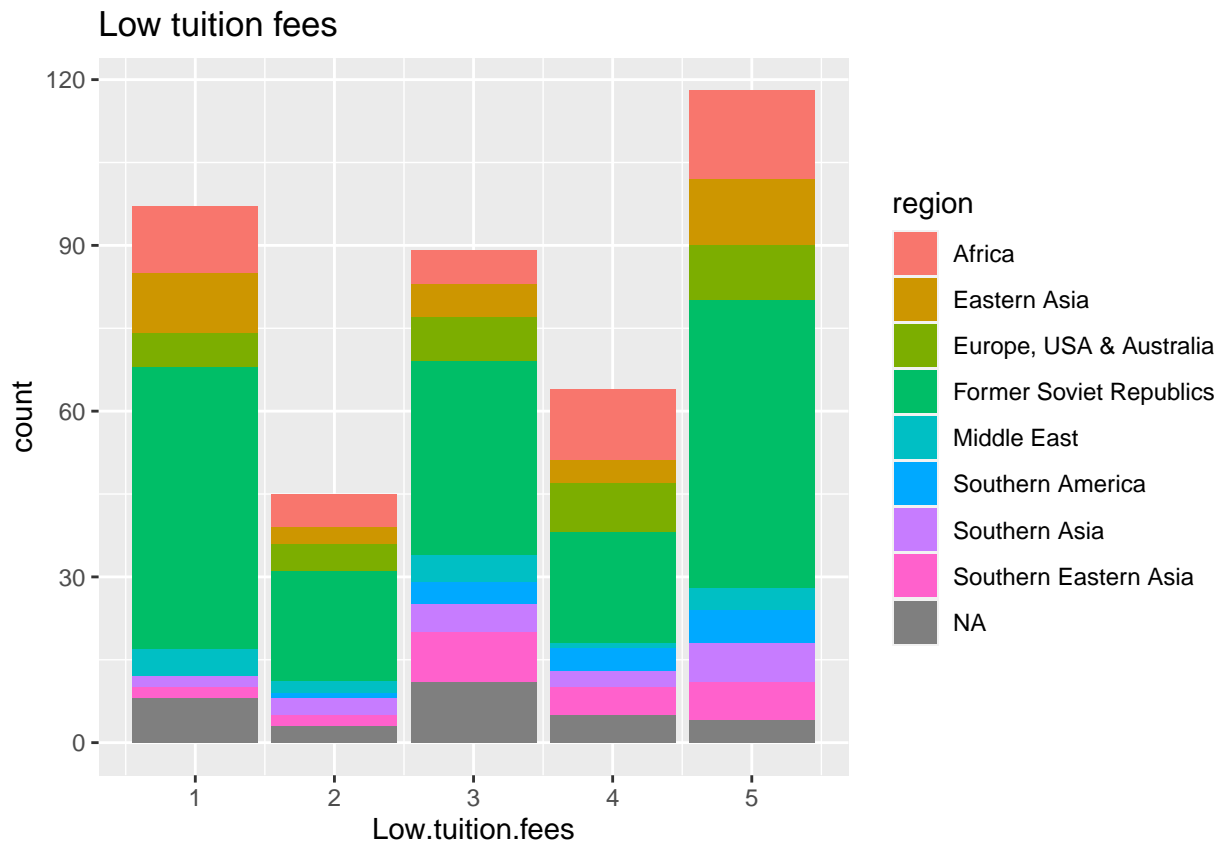
```
##          5     143      34.46      100.00      34.21      99.28
```

```
##         <NA>       3              0.72      100.00
```

```
##        Total    418      100.00      100.00      100.00      100.00
```

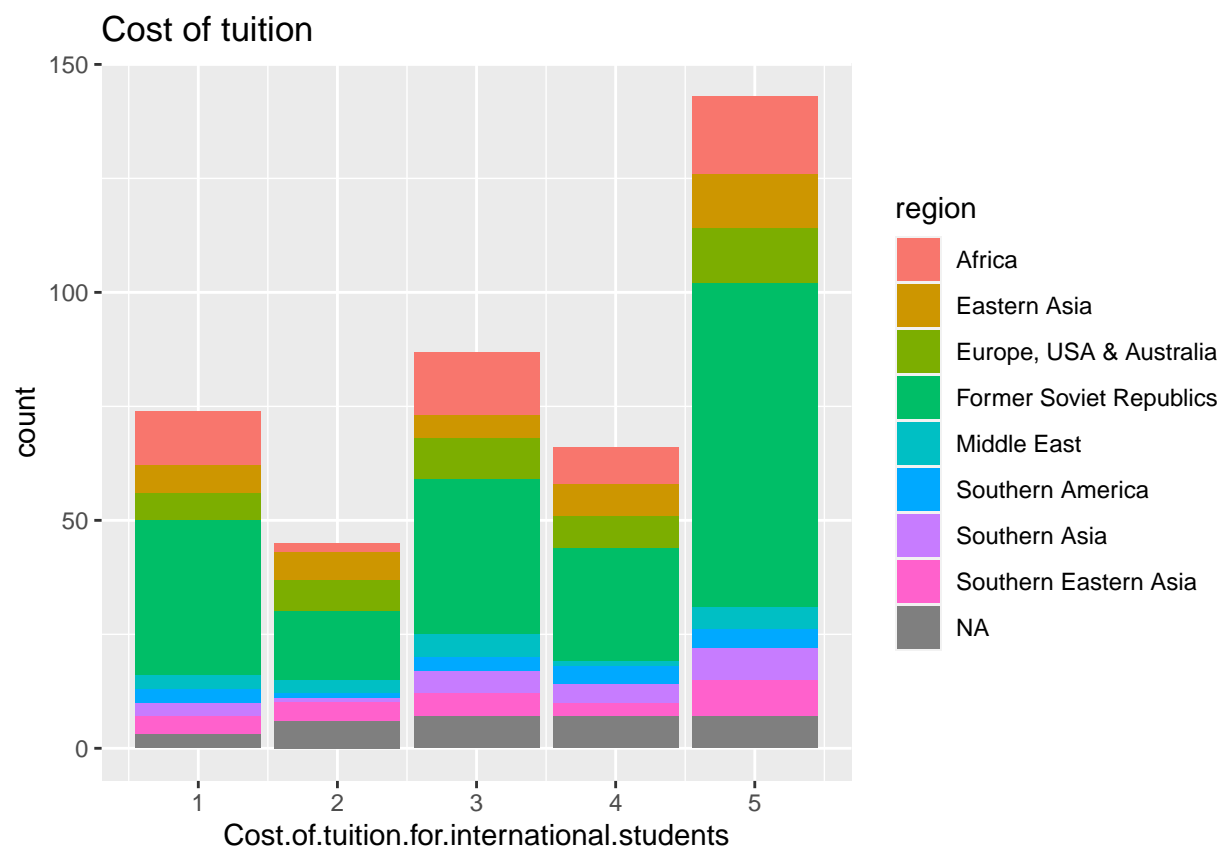
```
ggplot(data, aes(x=Low.tuition.fees, fill=region)) + geom_bar() + labs(title="Low tuition fees")
```

```
## 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="Cost of tuition for international students")
```

```
## 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
```

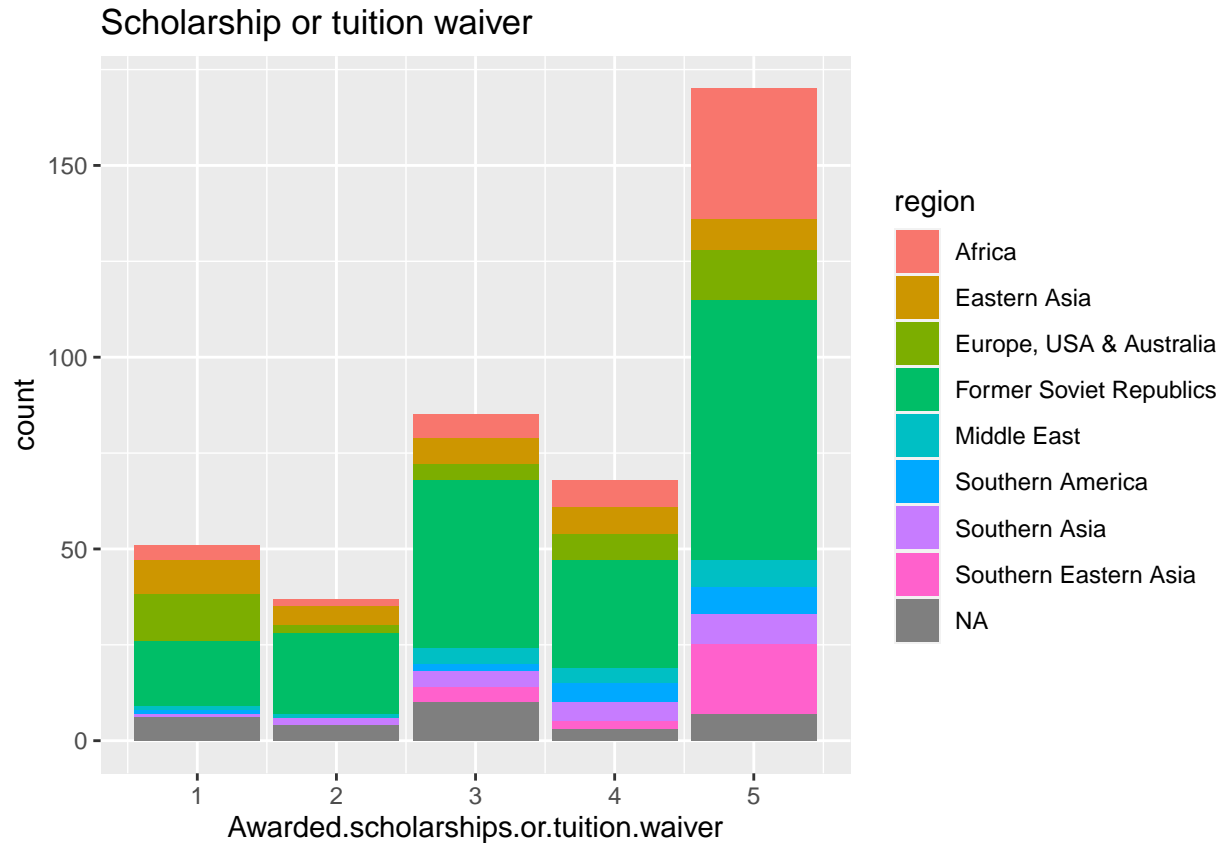
```
##
```

	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

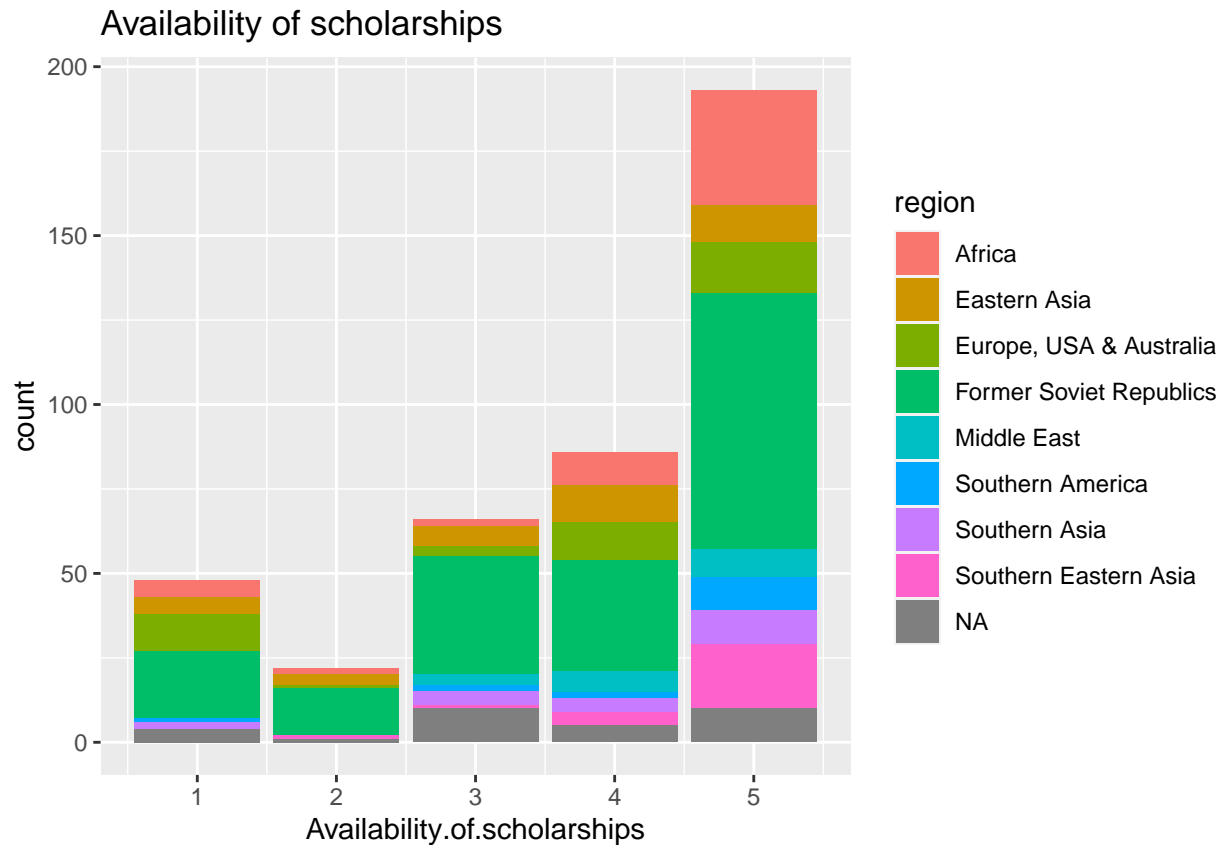
```
ggplot(data, aes(x=Awarded.scholarships.or.tuition.waiver, fill=region)) + geom_bar() + labs(title="Scholarship or tuition waiver")
```

```
## 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
```

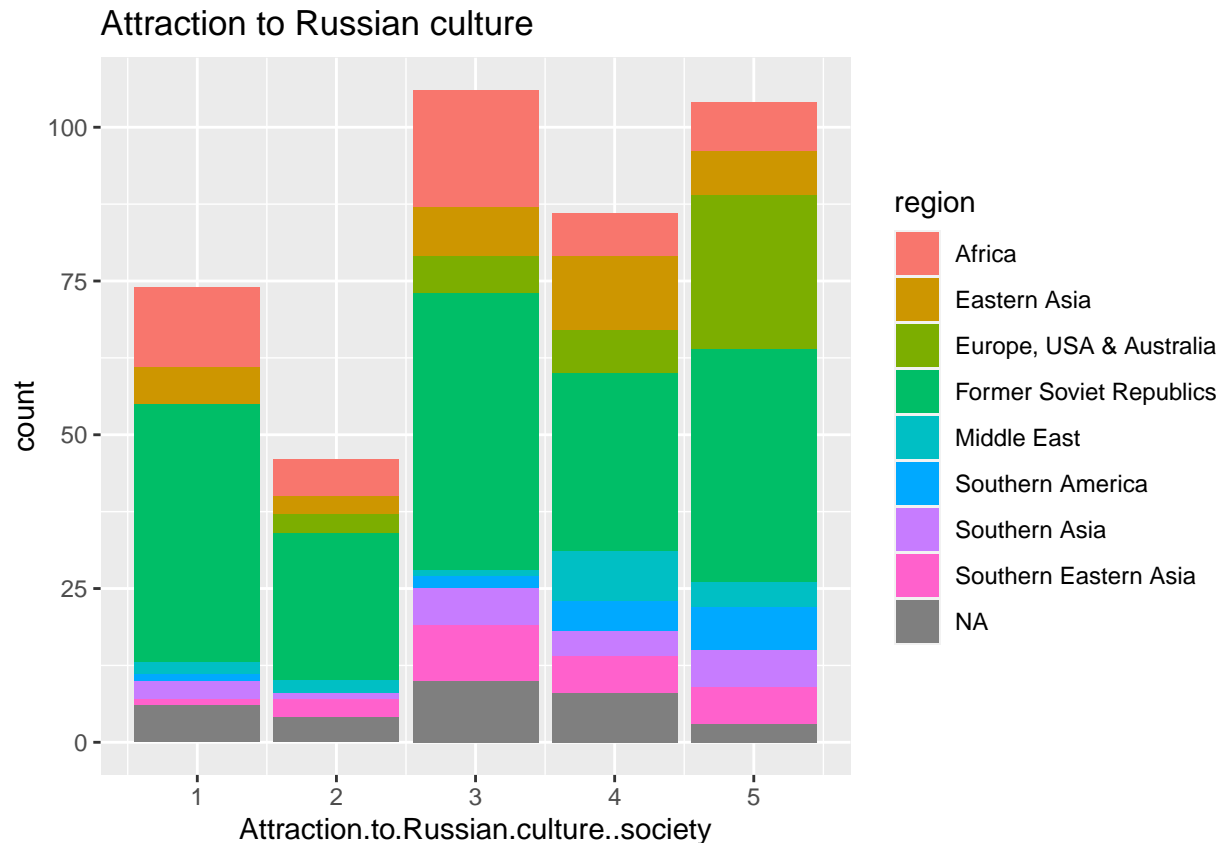
```
##      5   104    25.00   100.00    24.88    99.52
```

```
##     <NA>     2         0.48   100.00
```

```
##     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.

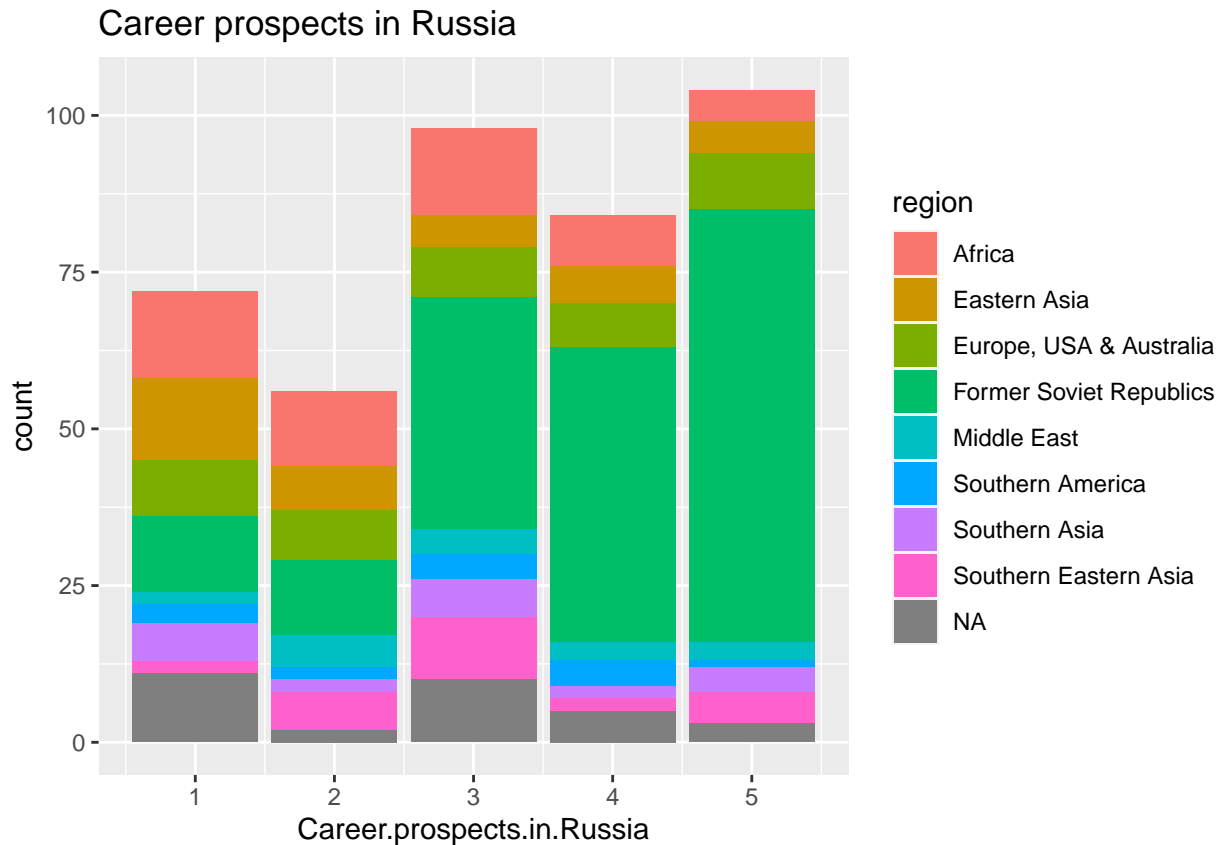
career prospects in Russia

```
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      100.00      100.00     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")
```

```
## 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
------	---	--	--	------	--------

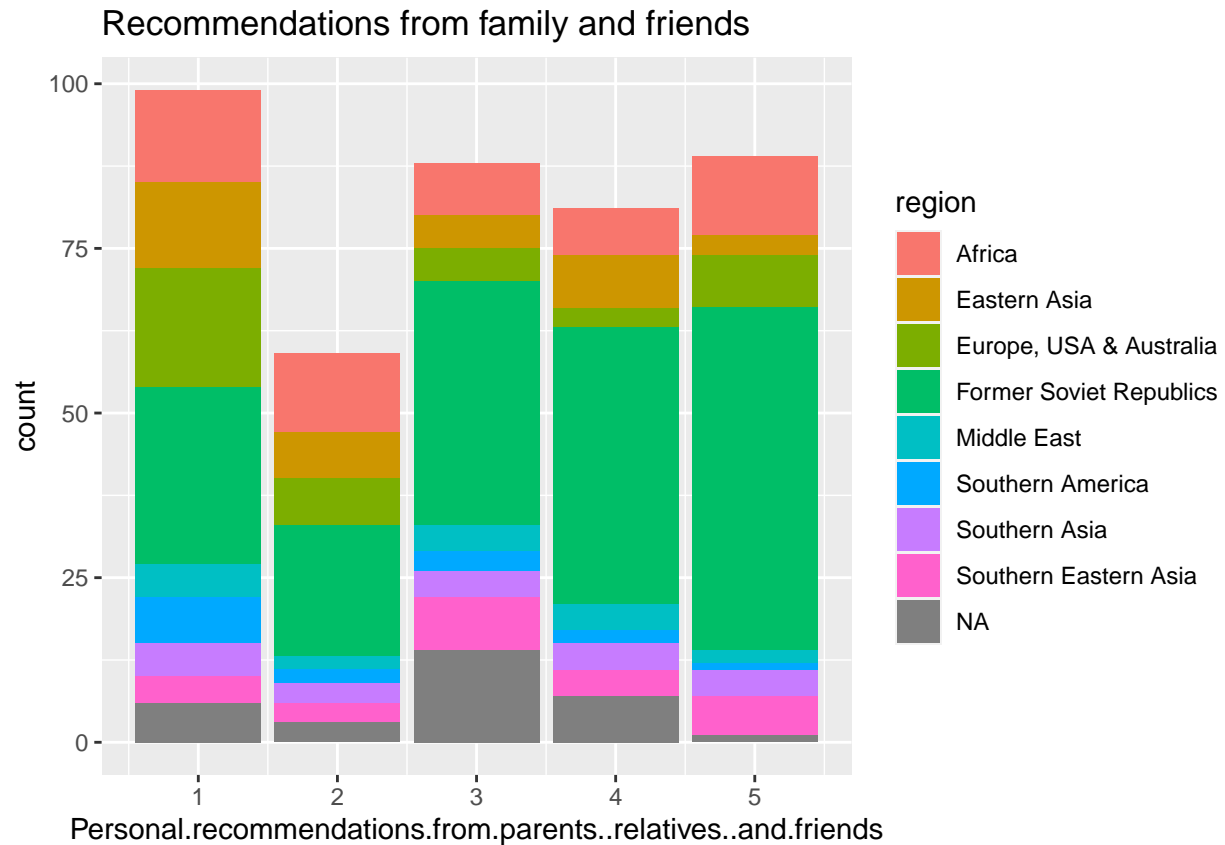
##

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.

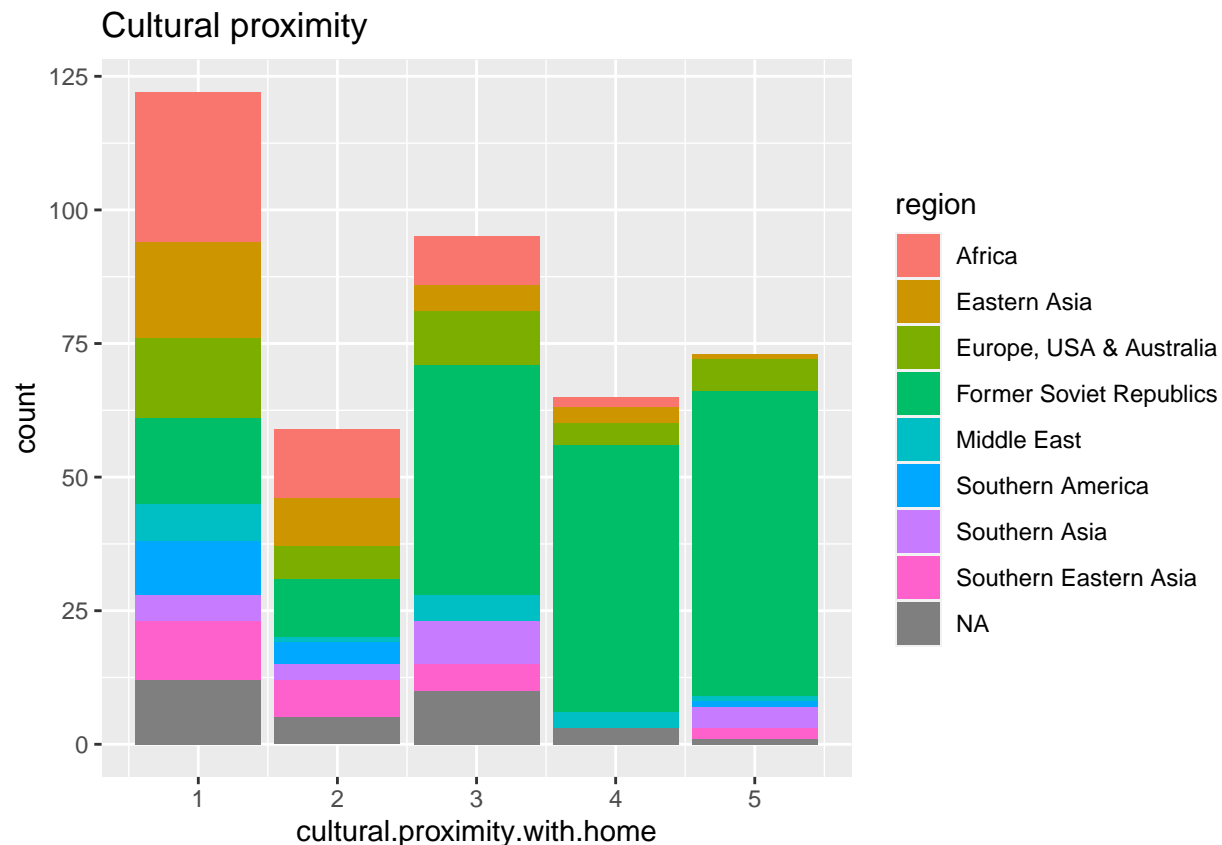
Cultural proximity

```
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

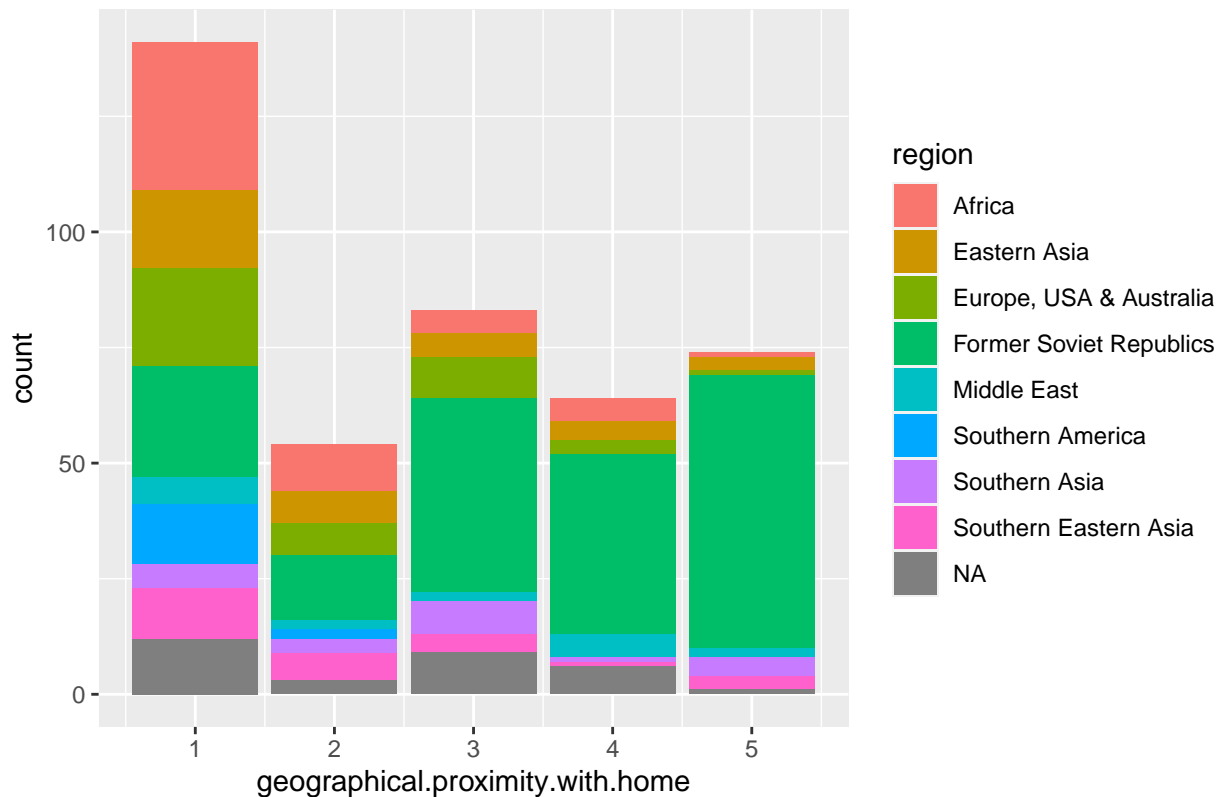
```
freq(geographical.proximity.with.home)
```

```
## 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
```

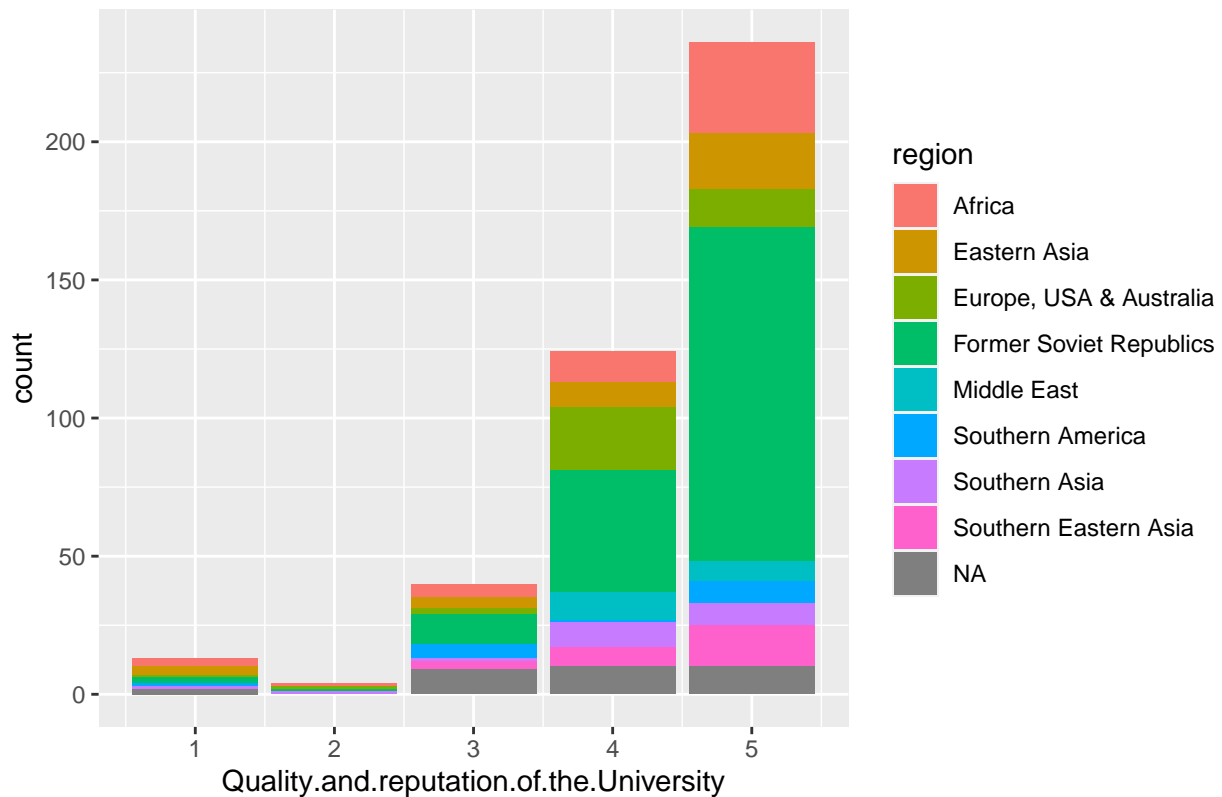
```
##     <NA>     1     0.00     0.00    0.24   100.00
```

```
##     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.

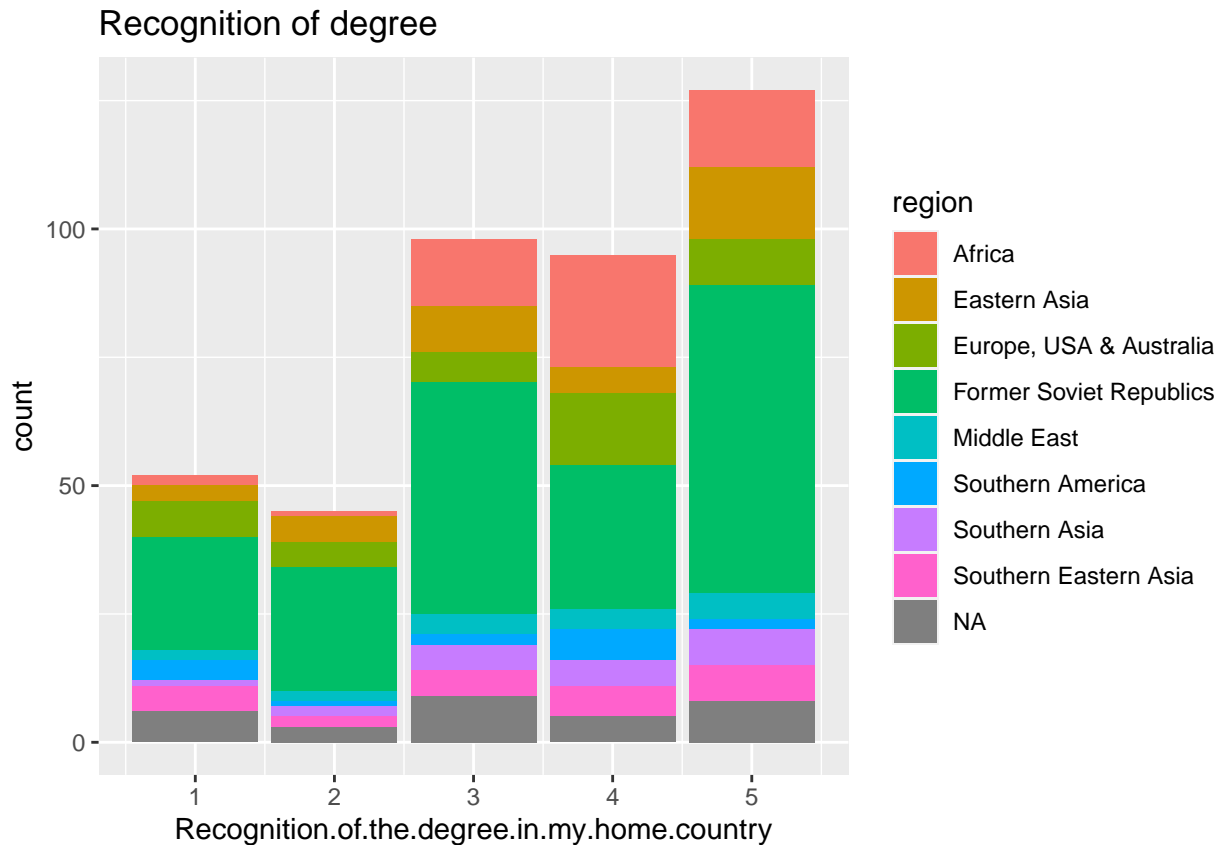
recognition of degree

```
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.

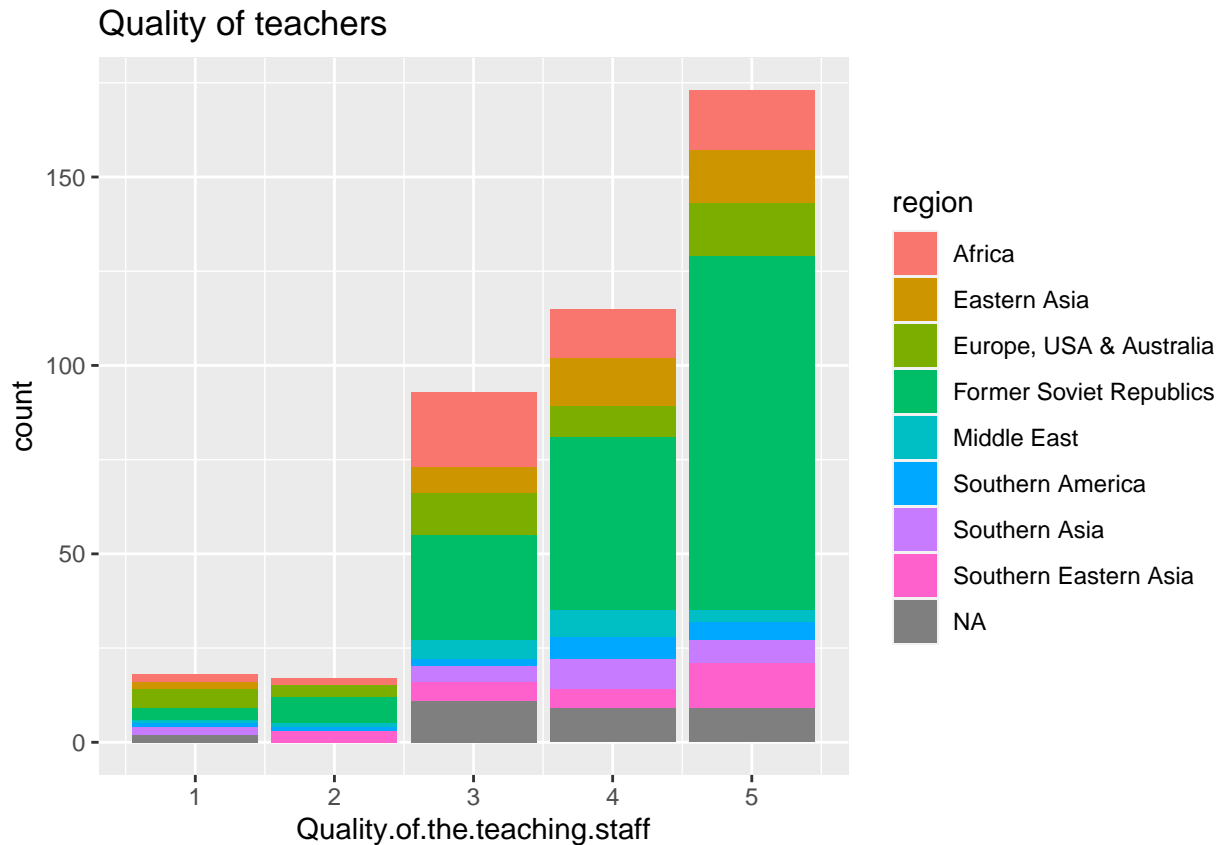
quality of teachers

```
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    0.48    100.00    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 teachers")
```

```
## 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
```

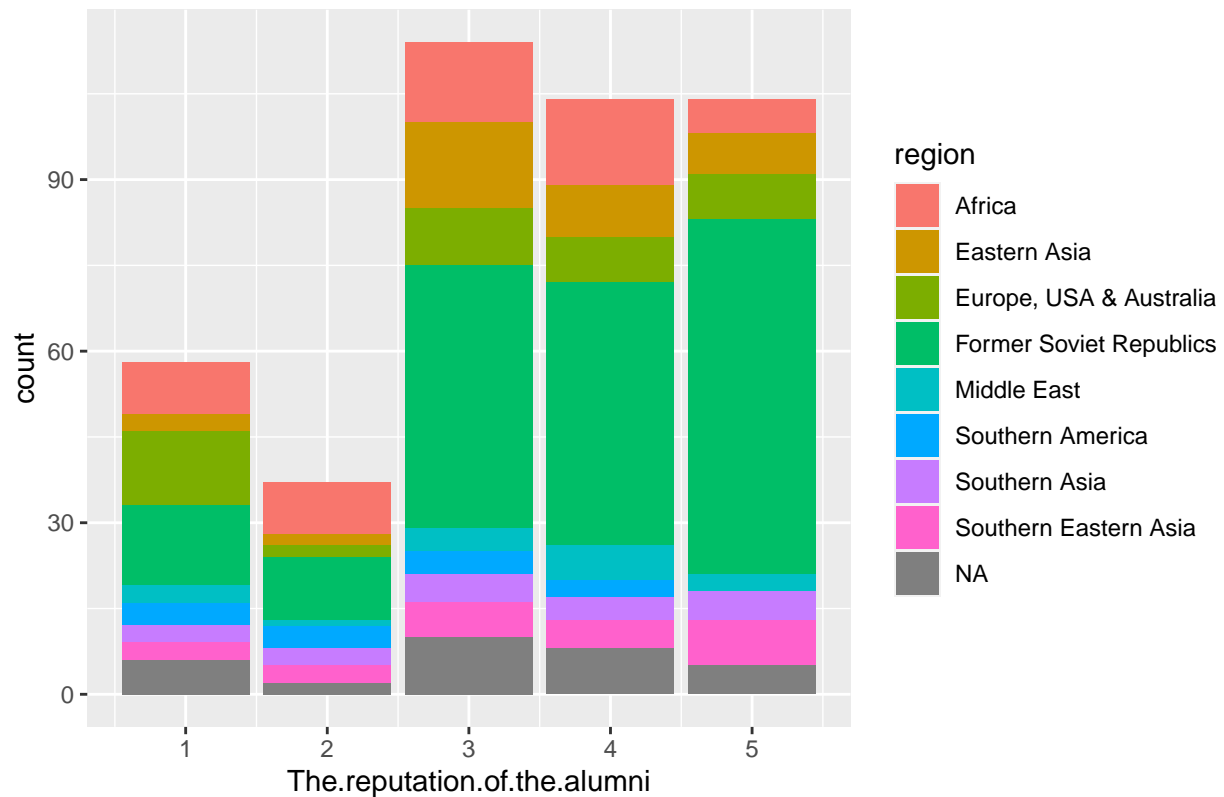
```
##
```

	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.

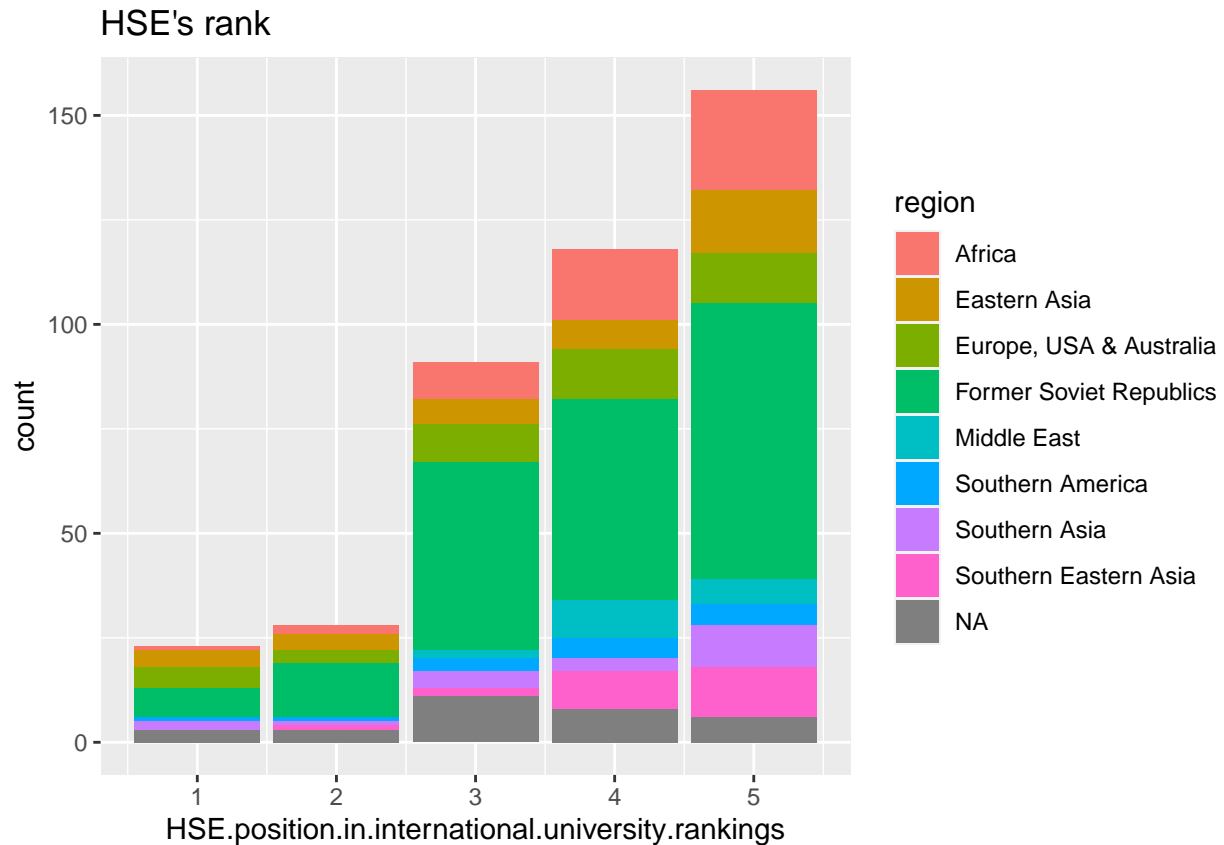
HSE rank

```
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     100.00   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.

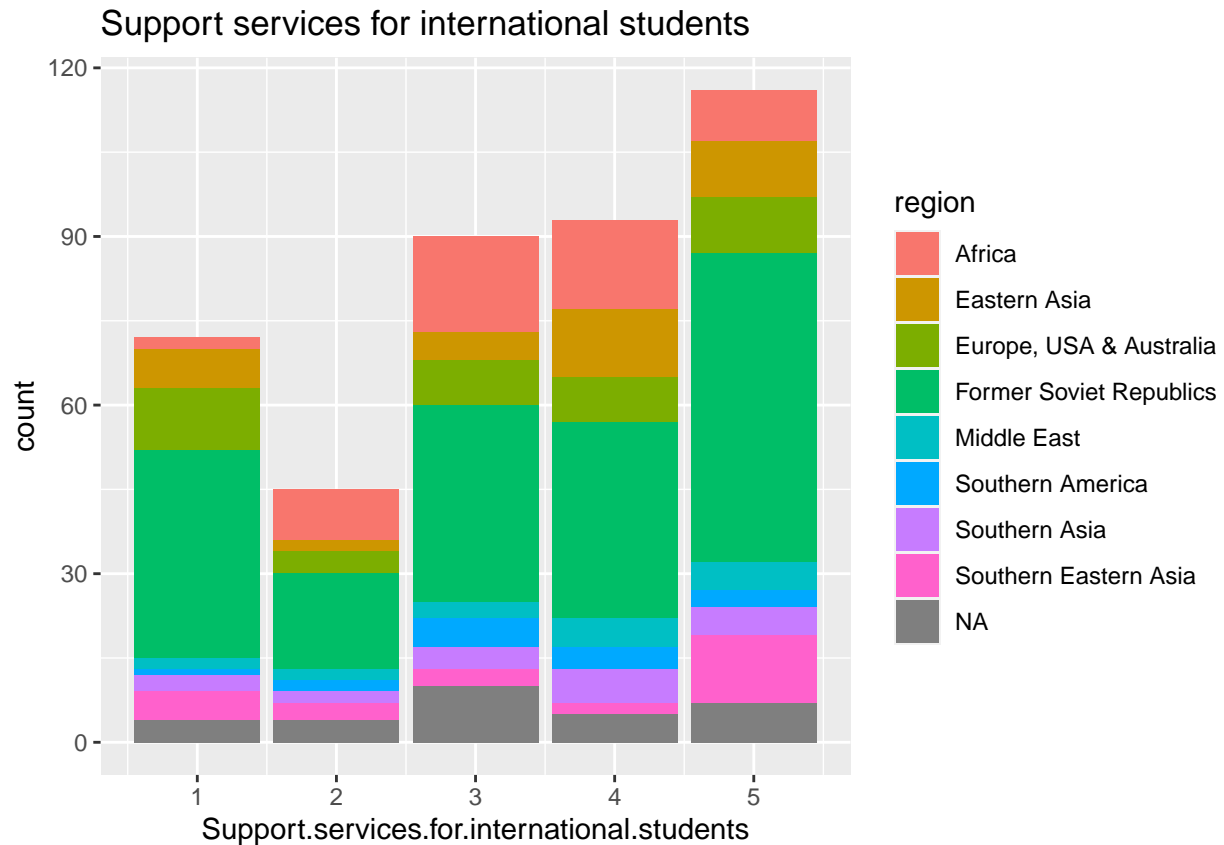
support for international students

```
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      0.48      0.48     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
```

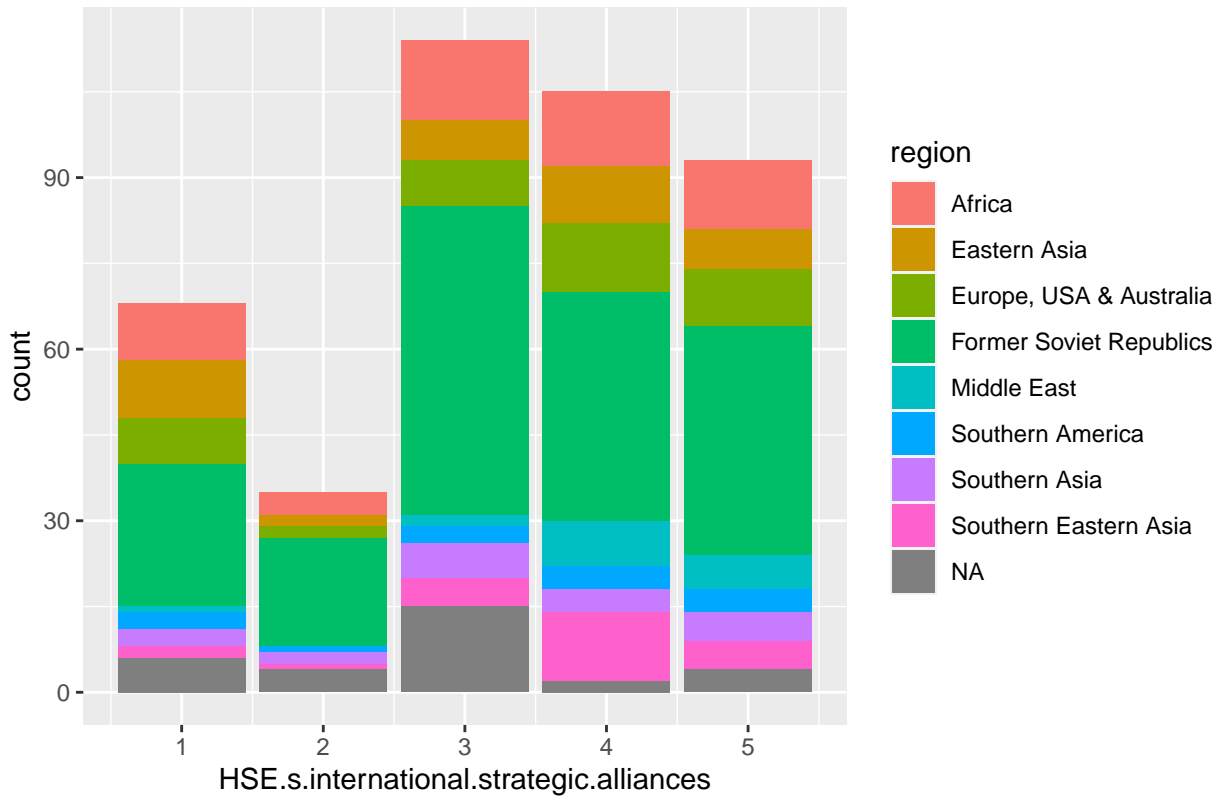
```
##
```

	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 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
----	---	-----	-------	--------	-------	-------

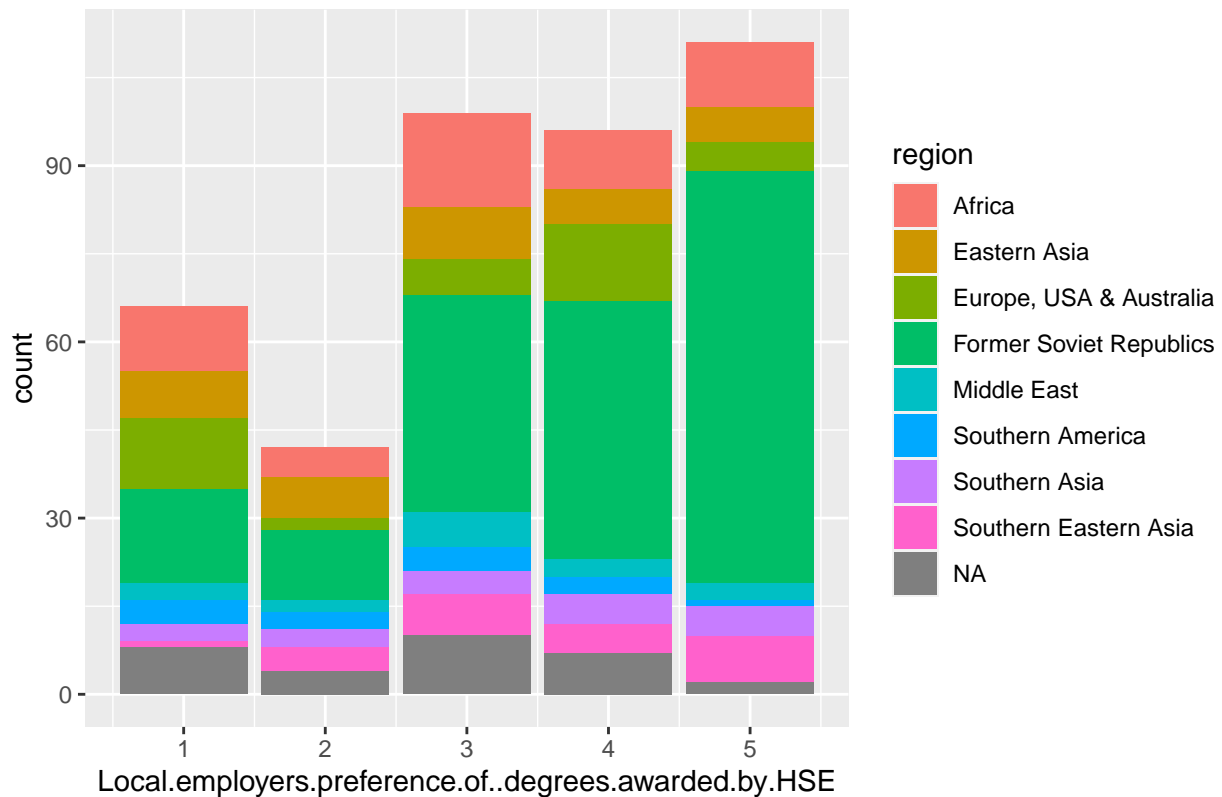
##	<NA>	4	0.96	100.00
----	------	---	------	--------

##	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.

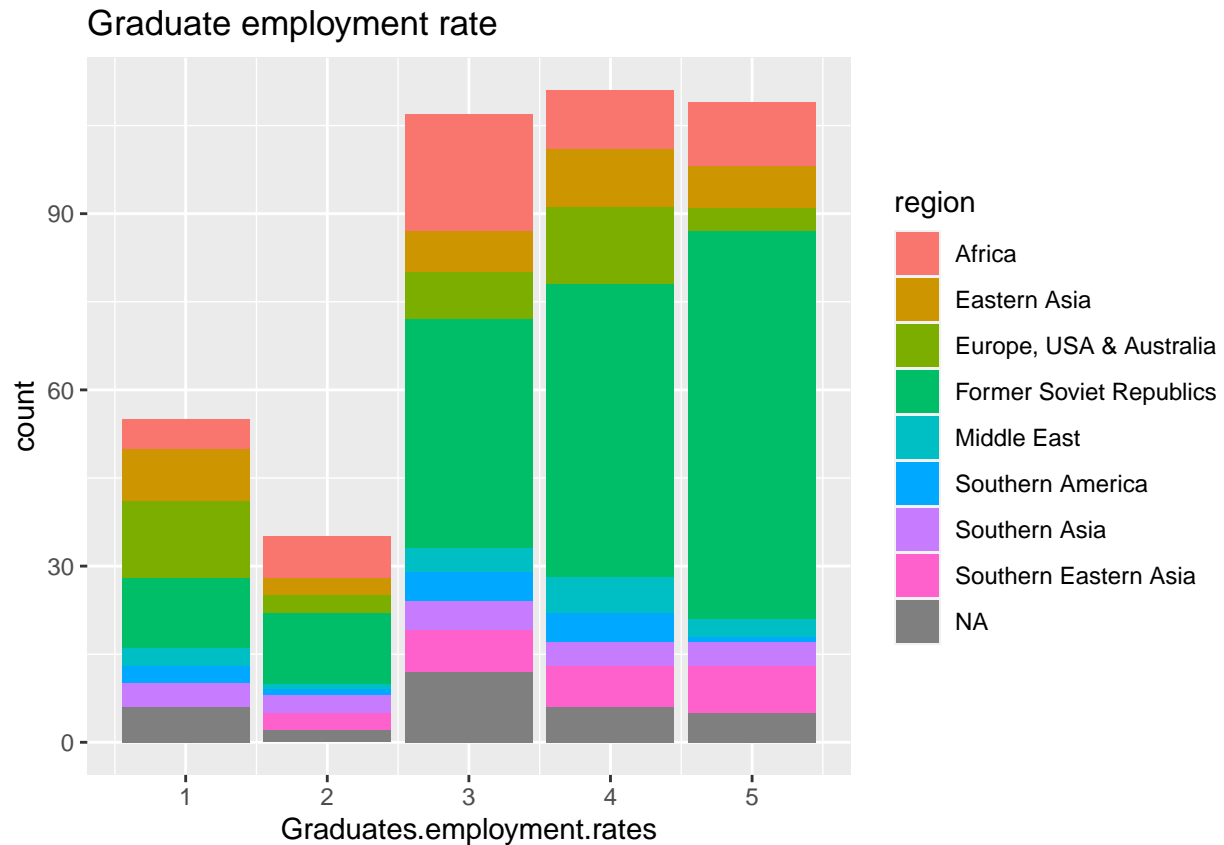
Graduate employment rates

```
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      100.00     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

```
model0<-lm(as.numeric(What.degree.are.you.currently.studying.for.)~1, data = data)
```

```
summary(model0)
```

```
##
## Call:
## lm(formula = as.numeric(What.degree.are.you.currently.studying.for.) ~
##     1, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.5957 -0.5957  0.4043  0.4043  1.4043
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    2.5957     0.0252    103 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5152 on 417 degrees of freedom
```

Full Model

```
model2<-lm(as.numeric(What.degree.are.you.currently.studying.for.)~Availability.of.desired.study.program +
summary(model2)
```

```
##
## Call:
## lm(formula = as.numeric(What.degree.are.you.currently.studying.for.) ~
##     Availability.of.desired.study.program + Higher.quality.of.education..compared.to.home.country. +
##     Low.cost.of.living + Low.tuition.fees + Awarded.scholarships.or.tuition.waiver +
##     Attraction.to.Russian.culture..society + Career.prospects.in.Russia +
##     Personal.recommendations.from.parents..relatives..and.friends +
##     cultural.proximity.with.home + geographical.proximity.with.home +
##     Quality.and.reputation.of.the.University + Recognition.of.the.degree.in.my.home.country +
##     Quality.of.the.teaching.staff + The.reputation.of.the.alumni +
##     The.reputation.of.the.international.community + HSE.position.in.international.university.ranl
##     Cost.of.tuition.for.international.students + Availability.of.scholarships +
##     Support.services.for.international.students + Graduates.employment.rates +
##     HSE.s.international.strategic.alliances + Local.employers.preference.of..degrees.awarded.by.HSE
##     data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.1638 -0.4253  0.0612  0.3644  1.4517
##
## Coefficients:
##                                     Estimate
## (Intercept)                        2.451137
## Availability.of.desired.study.program  0.069976
## Higher.quality.of.education..compared.to.home.country. -0.074427
## Low.cost.of.living                   0.046192
## Low.tuition.fees                     -0.002293
## Awarded.scholarships.or.tuition.waiver -0.003788
## Attraction.to.Russian.culture..society  0.049189
## Career.prospects.in.Russia            -0.028101
## Personal.recommendations.from.parents..relatives..and.friends -0.036652
## cultural.proximity.with.home           -0.010024
## geographical.proximity.with.home       -0.047093
## Quality.and.reputation.of.the.University  0.023425
## Recognition.of.the.degree.in.my.home.country  0.017815
## Quality.of.the.teaching.staff          -0.006031
## The.reputation.of.the.alumni           -0.026778
## The.reputation.of.the.international.community -0.019497
## HSE.position.in.international.university.rankings  0.047222
## Cost.of.tuition.for.international.students  0.012994
## Availability.of.scholarships           0.023157
## Support.services.for.international.students  0.032660
## Graduates.employment.rates            -0.079438
## HSE.s.international.strategic.alliances -0.001783
## Local.employers.preference.of..degrees.awarded.by.HSE  0.031689
##                                     Std. Error
## (Intercept)                        0.135365
## Availability.of.desired.study.program  0.026500
## Higher.quality.of.education..compared.to.home.country.  0.025033
```

## Low.cost.of.living	0.022239
## Low.tuition.fees	0.023459
## Awarded.scholarships.or.tuition.waiver	0.026247
## Attraction.to.Russian.culture..society	0.019954
## Career.prospects.in.Russia	0.023904
## Personal.recommendations.from.parents..relatives..and.friends	0.019741
## cultural.proximity.with.home	0.027387
## geographical.proximity.with.home	0.025372
## Quality.and.reputation.of.the.University	0.035615
## Recognition.of.the.degree.in.my.home.country	0.020544
## Quality.of.the.teaching.staff	0.029933
## The.reputation.of.the.alumni	0.025280
## The.reputation.of.the.international.community	0.027833
## HSE.position.in.international.university.rankings	0.026903
## Cost.of.tuition.for.international.students	0.022403
## Availability.of.scholarships	0.028246
## Support.services.for.international.students	0.022322
## Graduates.employment.rates	0.026990
## HSE.s.international.strategic.alliances	0.021509
## Local.employers.preference.of..degrees.awarded.by.HSE	0.024812
##	t value
## (Intercept)	18.108
## Availability.of.desired.study.program	2.641
## Higher.quality.of.education..compared.to.home.country.	-2.973
## Low.cost.of.living	2.077
## Low.tuition.fees	-0.098
## Awarded.scholarships.or.tuition.waiver	-0.144
## Attraction.to.Russian.culture..society	2.465
## Career.prospects.in.Russia	-1.176
## Personal.recommendations.from.parents..relatives..and.friends	-1.857
## cultural.proximity.with.home	-0.366
## geographical.proximity.with.home	-1.856
## Quality.and.reputation.of.the.University	0.658
## Recognition.of.the.degree.in.my.home.country	0.867
## Quality.of.the.teaching.staff	-0.201
## The.reputation.of.the.alumni	-1.059
## The.reputation.of.the.international.community	-0.701
## HSE.position.in.international.university.rankings	1.755
## Cost.of.tuition.for.international.students	0.580
## Availability.of.scholarships	0.820
## Support.services.for.international.students	1.463
## Graduates.employment.rates	-2.943
## HSE.s.international.strategic.alliances	-0.083
## Local.employers.preference.of..degrees.awarded.by.HSE	1.277
##	Pr(> t)
## (Intercept)	< 2e-16 ***
## Availability.of.desired.study.program	0.00861 **
## Higher.quality.of.education..compared.to.home.country.	0.00313 **
## Low.cost.of.living	0.03846 *
## Low.tuition.fees	0.92218
## Awarded.scholarships.or.tuition.waiver	0.88533
## Attraction.to.Russian.culture..society	0.01413 *
## Career.prospects.in.Russia	0.24050
## Personal.recommendations.from.parents..relatives..and.friends	0.06413 .

```
## cultural.proximity.with.home 0.71455
## geographical.proximity.with.home 0.06421 .
## Quality.and.reputation.of.the.University 0.51112
## Recognition.of.the.degree.in.my.home.country 0.38638
## Quality.of.the.teaching.staff 0.84044
## The.reputation.of.the.alumni 0.29014
## The.reputation.of.the.international.community 0.48403
## HSE.position.in.international.university.rankings 0.08001 .
## Cost.of.tuition.for.international.students 0.56224
## Availability.of.scholarships 0.41282
## Support.services.for.international.students 0.14425
## Graduates.employment.rates 0.00345 **
## HSE.s.international.strategic.alliances 0.93398
## Local.employers.preference.of..degrees.awarded.by.HSE 0.20231
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4663 on 382 degrees of freedom
## (13 observations deleted due to missingness)
## Multiple R-squared:  0.2135, Adjusted R-squared:  0.1682
## F-statistic: 4.714 on 22 and 382 DF,  p-value: 6.825e-11
```

Results

```
tab_model(model2, show.ci = F, title = "Pull Factors" )
```

Pull Factors

as numeric(What degree are you currently studying for)

Predictors

Estimates

p

(Intercept)

2.45

<0.001

Availability of desired study program

0.07

0.009

Higher quality of education compared to home country

-0.07

0.003

Low cost of living

0.05

0.038

Low tuition fees

-0.00

0.922
Awarded scholarships or tuition waiver
-0.00
0.885
Attraction to Russian culture society
0.05
0.014
Career prospects in Russia
-0.03
0.241
Personal recommendations from parents relatives and friends
-0.04
0.064
cultural proximity with home
-0.01
0.715
geographical proximity with home
-0.05
0.064
Quality and reputation of the University
0.02
0.511
Recognition of the degree in my home country
0.02
0.386
Quality of the teaching staff
-0.01
0.840
The reputation of the alumni
-0.03
0.290
The reputation of the international community
-0.02
0.484
HSE position in international university rankings
0.05

0.080	
Cost of tuition for international students	
0.01	
0.562	
Availability of scholarships	
0.02	
0.413	
Support services for international students	
0.03	
0.144	
Graduates employment rates	
-0.08	
0.003	
HSE's international strategic alliances	
-0.00	
0.934	
Local employers' preference of degrees awarded by HSE	
0.03	
0.202	
Observations	
405	
R ² / adjusted R ²	
0.214 / 0.168	

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

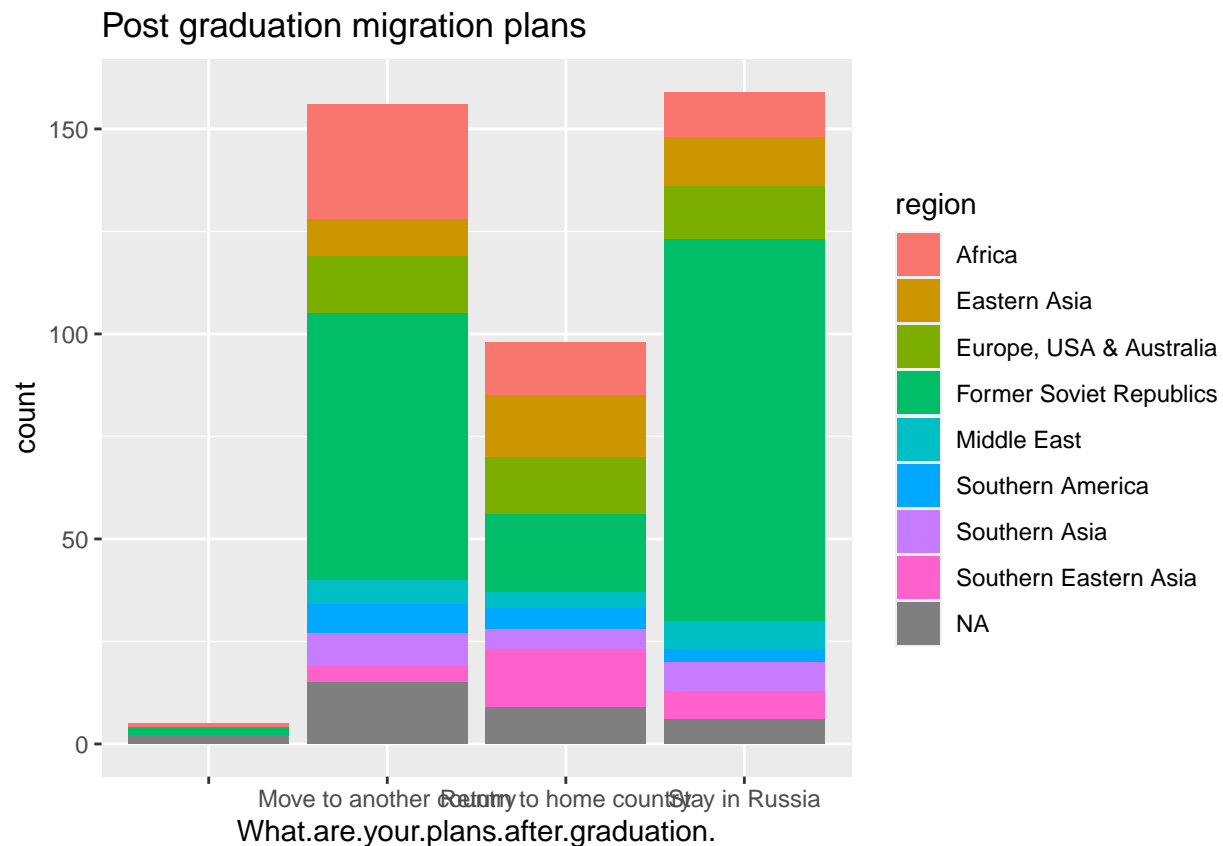
```
freq(What.are.your.plans.after.graduation.)
```

```
## 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      0.00      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             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          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 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      100.00      100.00     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      100.00   61.96  100.00
##        Total   418      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      100.00   61.96  100.00
##        Total   418      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     100.00    100.00    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     100.00    100.00    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     100.00    100.00    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      100.00      100.00      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    100.00    100.00    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    100.00    100.00    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.