

## **Some Determinants of Sustainable Economic Reintegration**

EU-IOM Joint Initiative for Migrant Protection and Reintegration in the Sahel and Lake Chad Region

### **Introduction**

Background. A short paragraph on the program.

Aim. What we assess, with which data, using which method.

Questions that should be answered.

Overall methodology (regression)

### **Reintegration Economic Survey (RES)**

Introduction. What the RES is.

Sample size and main statistics. Methodology specifics.

Model 1: Determinants of Business Success

Model 2: Determinants of Business Profitability

Model 3: Effect of Training on Business Success

Model 4: Determinants of Future Intentions to Migrate

Model 5: Determinants of Employee Number

### **Reintegration Sustainability Survey (RSS)**

Introduction. What the RSS is.

Sample size and main statistics. Including plot on correlations between RSS scores.

Model 6: Determinants of Sustainable Reintegration (Composite Score)

Model 7: Determinants of Sustainable Reintegration (Economic Score)

### **Summary of Results**

A short discussion of the results.

With a table showing which predictors are significant across all models, and significance levels.

### **Lessons Learned and Recommendations**

Recommendations concerning the results. That is, which variables are key, etc.

Recommendations concerning data issues and data wrangling.

### **List of Figures and Tables**

### **Appendices**

Summary of Data Sets Used

Data Analysis Plan

RES Descriptive Plots

RSS Descriptive Plots

Correlations Between RSS Scores (Table)

Interaction of Country and Business Type for Model 1

Model 5 with Time to receive assistance added

Model 5 with Assistance count added

Predicting Social score and Psychosocial score

### **Other Submitted Documents**

These documents are submitted separately.

A folder containing all clean data sets used for analysis, with notes on how these were built.

A folder with all R scripts, which allows to reproduce all data processes.

A log of anomalies. Might be included in R scripts.

A log of changes to the data. Might be included in R scripts.

## Introduction

### **The Joint Initiative and assistance to voluntary return and reintegration**

The EU-IOM Joint Initiative for Migrant Protection and Reintegration was launched in April 2017 and implemented in 13 countries of the Sahel and Lake Chad Region.<sup>1</sup> A key element of the Joint Initiative is assistance to voluntary return and reintegration. Migrants who voluntarily decided to return received economic, social, and psychosocial support, such as job placement, training, housing, education, childcare, special security measures, and so on<sup>2</sup>.

The overarching goal of the Joint Initiative is the successful reintegration of migrants in a dignified and sustainable manner<sup>3</sup>. It is therefore crucial to assess whether the reintegration measures offered to the migrants are efficient and positively contribute to this goal.

### **Assessing measures of economic reintegration**

The current study assesses the effectiveness of some of these measures, with a focus on economic reintegration. For example, some respondents received business management training. Does this training positively influence reintegration, such that respondents who received it tend to have a higher business success than those who did not receive it? Furthermore, if training has a positive impact, is this impact the same for all business types or activities?

While exploring such questions, this study also considers factors that are not related to the assistance received by the migrants, but that might impact reintegration, such as age, gender, disability, where the respondents are based, where they are returning from, and so on. For example, we might find that training is most efficient for respondents engaged in retail, except in a given country, and only if the respondent has no disability.

### **Exploring the determinants of sustainable reintegration using regression analysis**

To explore these complex relationships, and ultimately identify the determinants of sustainable economic reintegration, regression analysis was used. Regression analysis allows to use multiple factors or variables to explain an outcome. Examples of outcomes are whether the business of the respondents is profitable, or how high the Economic score of the respondents is. In short, regression analysis tells us which factors have an impact on reintegration, and whether this impact is positive or negative.

While doing so, regression also allows us to *isolate* the effect of each factor. For example, we might find that businesses launched by men are more profitable than businesses launched by women. Would it be correct to conclude that gender is a determinant of successful economic reintegration, and

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<sup>1</sup> Burkina Faso, Cameroon, Chad, Côte d'Ivoire, The Gambia, Ghana, Guinea, Guinea Bissau, Mali, Mauritania, Niger, Nigeria, and Senegal.

<sup>2</sup> The full catalog of measures is available in the file "MiMOSA activities and dimension of reintegration assistance.xlsx".

<sup>3</sup> *EUTF-IOM Initiative for Migrant Protection and Reintegration: Standard Operating Procedures for Assisted Voluntary Return and Reintegration*, p. 6.

that helping men is therefore more efficient than helping women? No, because the apparent success of men might be explained by other factors. For example, men might be engaged in activities that are, in themselves, more profitable. In other words, it is the type of activity, not the gender, which would explain the apparent higher degree of success amongst men.

This is why regression analysis is useful. Regression analysis will evaluate the impact of each factor while holding the impact of all other factors constant. In the example above, it will evaluate the impact of gender while controlling for the impact of business activity. Regression analysis might then find that once we take into account business activity, there are no differences between men and women in terms of business profitability. And this would have obvious implications for programming. In this case, business activities that result in a high profitability should be encouraged, whereas gender should be considered irrelevant to business success.

### **Study questions**

Six questions were investigated in this study. Four concerned economic reintegration, one concerned overall reintegration, and the last one concerned the respondents' future intentions to migrate. Table X summarises the questions, how they were investigated, and their data source.

### **Study Outline**

To be written last.

**Table X: Determinants of Economic Reintegration Considered in this Study**

	Using these variables...	...To explain this variable	Data
<b>1. What makes a successful returnee business?</b>	Age, Business members, Business type, Corona impact on business, Country, Country of return, Disability,	Is your business open and well?	<b>RES</b> Reintegration Economic Survey 1,917 respondents  Models 1-2, 5
<b>2. What makes a profitable returnee business?</b>	Employee Number, First Choice, Gender, Interview Type, Migration Duration, Business management training, Received support as	Does your business cover your needs and those of your family?	
<b>3. Does training contribute to returnee business success?</b>	Same as 1. and 2., with the following variables added:  Training type, Training duration, assistance duration, Return to reintegration	Is your business open and well?	<b>Training</b> Reintegration Economic Survey <u>and</u> Mimosa 1,852 respondents Model 3
<b>4. What makes a successful economic reintegration?</b>	Age, Financial services, Gender, Material assistance, MB assistance duration, MB support duration, Medical support, MB form of assistance, Migration duration, Origin country, Psycho-social support, Return country, Social support, Training, Training duration	Economic reintegration score	<b>RSS</b> Reintegration Sustainability Survey <u>and</u> Mimosa 1,385 Respondents Models 6-7
<b>5. What makes a successful reintegration overall?</b>		Composite reintegration score	
<b>6. What makes returnees want to migrate again?</b>	Same as 1. and 2.	Do you plan to migrate again?	<b>RES</b> Reintegration Economic Survey 1,917 respondents Model 4

## Method

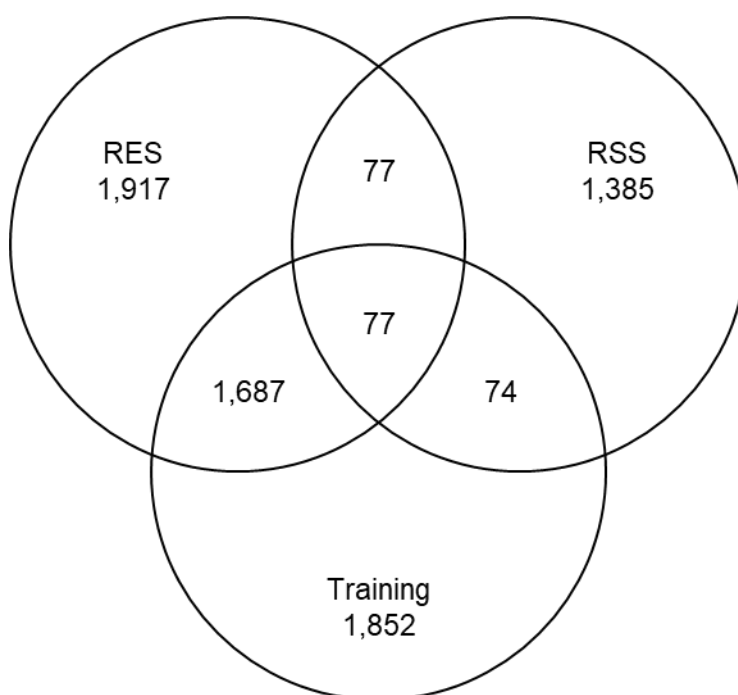
### Data used in analyses

The following data sources were used to investigate the study questions: the Reintegration Economic Survey (RES), the Reintegration Sustainability Survey (RSS), and IOM's Mimosa. They were either used on their own, or in combination with each other.

*Three datasets.* The sources from above were assembled into three data sets. The first data set, which we will call **RES**, has 1,917 respondents, and includes data from the RES questionnaire only. It was used to explore Question 1, Question 2, and Question 6. The second data set, **RSS**, has 1,385 respondents, and includes data from both the RSS questionnaire and Mimosa. It was used to explore Question 4 and Question 5. The third data set, **Training**, has 1,852 respondents, and includes data from both the RES questionnaire and Mimosa. Appendix X provides more information on how the data sets were assembled.

There is some overlap between these three datasets, with some respondents appearing in only one dataset, or in two of them, or in all of them. For example, 1,687 respondents appear in both RES and Training, whereas 77 respondents appear in all datasets. Figure X shows the intersection of respondents across datasets.

Figure X: Intersection of Respondents Across Data Sets



We now provide more details on the three data sets and their sample characteristics.

## Sample characteristics

*RES.* The RES data set has 23 variables and includes 1,917 interviews conducted between September 2020 and April 2023. Most of these interviews were conducted in Senegal (28% of all respondents), Guinea (18%), Ivory Coast (14%), and Burkina Faso (14%), with most respondents being returnees from Libya (27%), Algeria (26%), Niger (20%), and Morocco (17%).

Most of the respondents were men (90%), and most respondents were aged 14-35 years old (82%). The most frequently cited economic activities of the respondents were trade<sup>4</sup> (41%), animal farming<sup>5</sup> (17%), transport (14%), and agriculture/aviculture (10%). More than three-quarters of respondents did not have employees (77%). Out of those who had employees, 61% had a single employee, and 39% had more than one employee. Descriptive statistics of all variables of the RES data set are in Appendix X.

*RSS.* The RSS data set has 21 variables and includes 1,385 interviews conducted between October 2022 and January 2023. It therefore covers a shorter time range than RSS and RES. Most interviews were conducted in Mali (12% of all respondents), Guinea (12%), Tchad (11%), and Niger (10%); except for Guinea, this sample is therefore quite different from the RES sample in terms of location country. That said, most respondents were returning from Libya (30%), Niger (25%), and Algeria (21%), which is similar to the RES sample.

Although most respondents, again, were men (86%), the RSS has a slightly higher proportion of women (14%) than the RES sample. The mean age of the respondents was 29.3 years (median: 28, minimum: 16, maximum: 78).<sup>6</sup> Descriptive statistics of all variables of the RSS data set are in Appendix X.

*Training.* The Training data set has 28 variables and includes 1,852 interviews conducted between October 2022 and January 2023 (same time range as RES). This data set is highly similar to RES and descriptive statistics are not reported here. The only difference between the RES data set and the Training data set is that the Training data set is slightly smaller and has 4 more variables, as we will see in Section X.

## Data preparation

The following changes were made to the data so that they can be used in regression analysis.

*Categorical variables.* Most categorical variables were recoded to achieve a sufficient and balanced number of observations between groups. For example, the variable Country of return of the RES data set initially had 20 countries. But 16 of these countries represented only 0.1% to 2% of all answers each. This variable was therefore recoded to keep only the 4 most frequently cited countries (Algeria, Libya, Niger, and Morocco), with all other countries grouped in a category called 'Other'.

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<sup>4</sup> In French, 'commerce'.

<sup>5</sup> In French, 'élevage'.

<sup>6</sup> Contrary to the RES data set, the exact age of respondents are available, rather than age groups.

While doing so, the rule we used was to keep all the answer options that represented at least 10% of all answers each,<sup>7</sup> while grouping all the other answer options in a single category, most often, 'Other'. There were a few exceptions. For example, we kept the respondents who reported a disability although only 5% of them did so. On the contrary, some variables were completely dropped. For example, we did not keep the variable Assistance type because 97% of all respondents had chosen the same answer, which was micro business assistance.

Appendix X and Appendix X show how each variable was recoded, with frequencies and statistics before and after the recoding. More details on recoding are also available in the R scripts preparation\_res.R and preparation\_rss.R.

*Continuous variables.* Most continuous variables were in the RSS data set.<sup>8</sup> The normality of all continuous variables was assessed with histograms and boxplots, and outliers were investigated using the interquartile range method. The dependent continuous variables (i.e., the Economic score and the Composite score) were approximately normally distributed and no changes were made on them (see also Section X). In contrast, some of the independent continuous variables were skewed. To mitigate this without losing observations, we replaced outliers with the median. Only the most extreme outliers were replaced, that is, observations that fell outside the 0.01 (lower bound) to 0.99 (upper bound) range. This improved the distributions, and we decided not to do other data transformations.

Appendix X shows the distribution of how each continuous variable before and after the changes. More details on outliers are also available in the R script preparation\_rss.R.

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<sup>7</sup> This represents approximately 200 respondents for the RES data set, and approximately 130 respondents for the RSS data set.

<sup>8</sup> The RES data set has only one continuous variable, which is the duration of absence from the country of origin (Migration duration).



## **Modelling characteristics**

Question 1, Question 2, Question 3, and Question 6 have binary categorical dependent variables, and we therefore used binomial logistic regression to investigate them. Logistic regression allows to compute the probabilities to fall in a category as opposed to another one (e.g., a high or a low business success) using several variables (predictors) while keeping constant the effect of all of them.

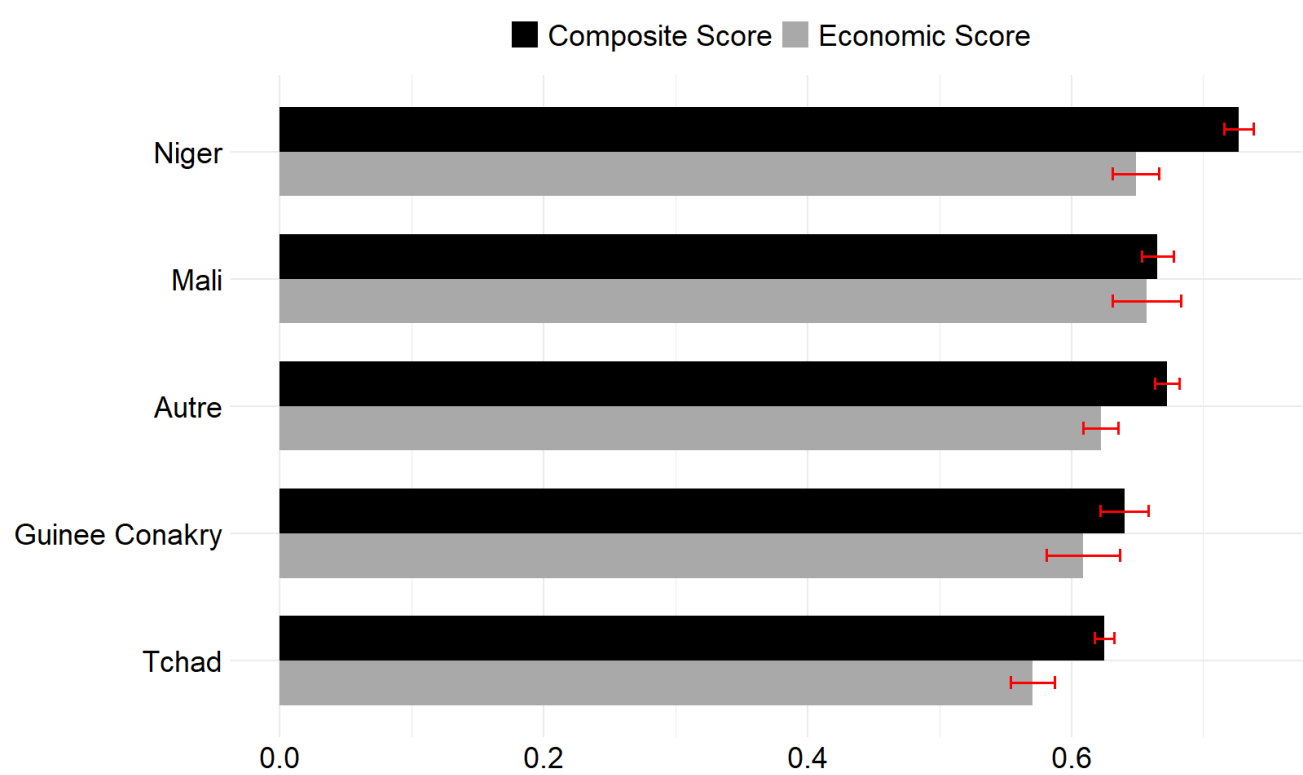
Question 4 and Question 5 have continuous dependent variables, and we therefore used multiple linear regression to investigate them. Linear regression allows to identify the relationships between the independent variables and the dependent variable, and to predict the value of the dependent variable based on the values of the independent variables (for example, a higher or lower Economic Score), while, again, controlling for the effect of all variables.

To assess model performance, we use the accuracy statistic for logistic regression, and the R-squared statistic for linear regression. Accuracy is the percentage of cases that are correctly classified by the model. For example, a model with an accuracy of 70% means that this model correctly predicts the class to which the participant belongs in 70% of all cases. The R-squared can be expressed as the percentage of the total variance explained by the model. For example, a model with an R-Squared statistic of 0.3 means that 30% of all the variance is explained by this model.

To assess collinearity, we used the VIF (Variance Inflation Factor) and Tolerance statistics. Across all analyses, two variables were consistently collinear: whether the respondent has employee, and employee number. We kept employee number, because it was a stronger predictor, and discarded the other variable. No other collinearity issues were detected.

## **Data Analysis Plan**

Figure X: Mean Composite Score and Economic Score by Country



*Note.* The red error bars show the 95% confidence intervals.

## Appendix X: Summary of Data Sets Used in Analyses

	File name	Based on	Dimensions	Notes
RSS	rss.csv	Reintegration Cases M&E RSS June 2023 (liste complète).xlsx [Mimosa] <u>and</u> RSS data cleaned to use for analysis V3 doublons corriges.xlsx [Kobo]	1,385 x 217	The RSS survey data, a merger done by the consultant. Contains all data, including scores, weights, etc. All duration variables should be used with caution due to some inconsistencies in the raw data. Script: preparation_rss.R
	rss_slim.csv		1,385 x 35	Same as previous, with only the composite scores and only our variables of interest All duration variables should be used with caution due to some inconsistencies in the raw data. Script: preparation_rss.R
	rss_slim_recoded.csv		1,385 x 21	Same as previous, except that data were processed for regression analysis (i.e., some categories were recoded to meet sample size criteria, outliers were replaced or removed, etc.), and that variables that could not be recoded were excluded. All duration variables should be used with caution due to some inconsistencies in the raw data. Script: preparation_rss.R
RES	res.csv	RE_Economic_Survey_clean for data analysis_final.xlsx [kobo] <sup>9</sup>	2,026 x 23	The RES data. Script: preparation_res.R
	res_slim.csv		1,917 x 23	Same as previous, except that data were processed for regression analysis (i.e., some categories were recoded to meet sample size

<sup>9</sup> This file was received 23 June 2023. It is exactly the same file as RE\_Economic\_Survey\_clean for data analysis.xlsx received on 21 June 2023, except that the suffix “\_final” was added.

				criteria, outliers were replaced or removed, etc.), and that missing data that could not be recoded were excluded. Script: preparation_res.R
Training	res_training.csv	MIMOSA Reint Cases M&E-eco v2 identification.xlsx [Mimosa] and RE_Economic_Survey_clean for data analysis.xlsx [Kobo]	1,968 x 30	The RES survey data plus some Training variables from Mimosa, a merger done by the consultant. Some variables and observations of this dataset are likely corrupt, due to many challenges in merging the data and identifying the right IDs. Should be used with a lot of caution. Note merger was done using two IDs (first trying to match caseno, then MemberNo, from Mimosa, with `Identifiant MiMOSA du cas bis`, from Kobo), and that duplicates were removed without further inspection. Script: preparation_res_training.R
	res_training_slim.csv		1,852 x 28	Same as previous, except that data were processed for regression analysis (i.e., some categories were recoded to meet sample size criteria, outliers were replaced or removed, etc.), and that variables that could not be recoded were excluded. Some variables and observations of this dataset are likely corrupt, due to many challenges in merging the data and identifying the right IDs. Should be used with a lot of caution. Script: preparation_res_training.R

*Note.* For RES training, the following 3 files provide more details on errors and inconsistencies:

- res\_training\_to\_resolve.csv shows inconsistencies and irreconcilable duplicates between Mimosa and Kobo data
- res\_training\_to\_resolve\_cases.csv lists 75 respondents where answers might possibly be corrupt
- res\_training\_to\_resolve\_gender.csv shows some (but not necessarily all) cases where the gender of participants is different in Mimosa and Kobo, despite having the same ID

## Appendix X: Frequencies of RES Variables

*Note.* Each variable has two graphs. The first graph shows frequencies from the raw data, whereas the second graph shows frequencies after recoding for regression analysis. The number of respondents is provided in the subtitle of each graph. Typically, the second graph has fewer answer options, and a smaller number of observations. That is because some answer options were grouped and some missing answers or outliers were removed for regression analysis.

Variables are presented in the order in which they appear in the questionnaire, and only variables used in analyses are included. Dependent variables are presented in the main text.

### InterviewType | Overall

Single-select | N = 2,026



For regression analysis, recoded as:

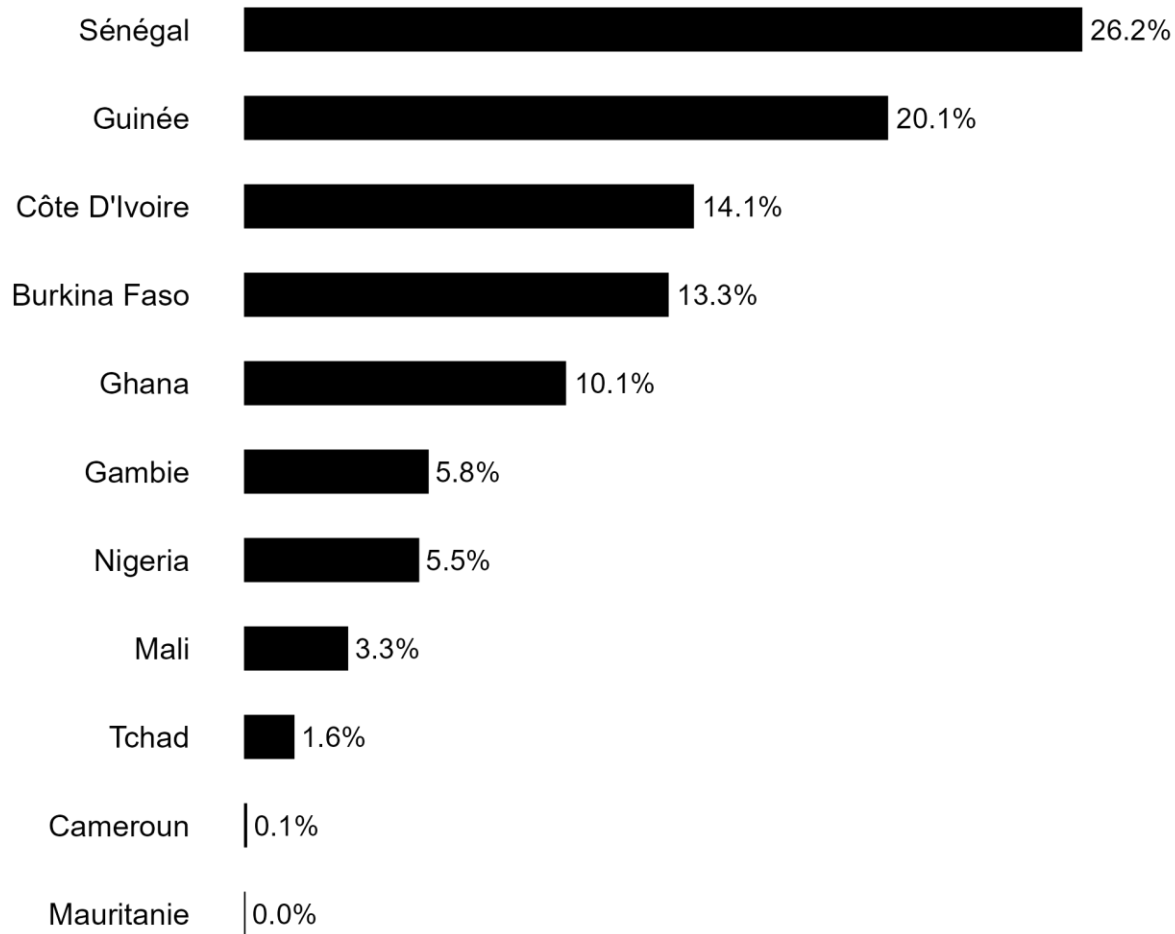
### InterviewType | Overall

Single-select | N = 1,917



## Country | Overall

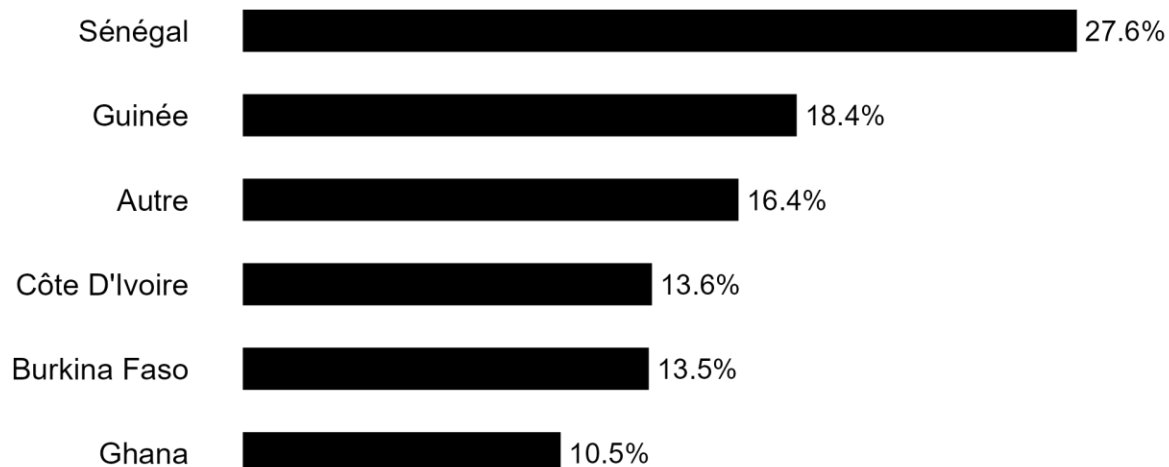
Single-select | N = 2,026



For regression analysis, recoded as:

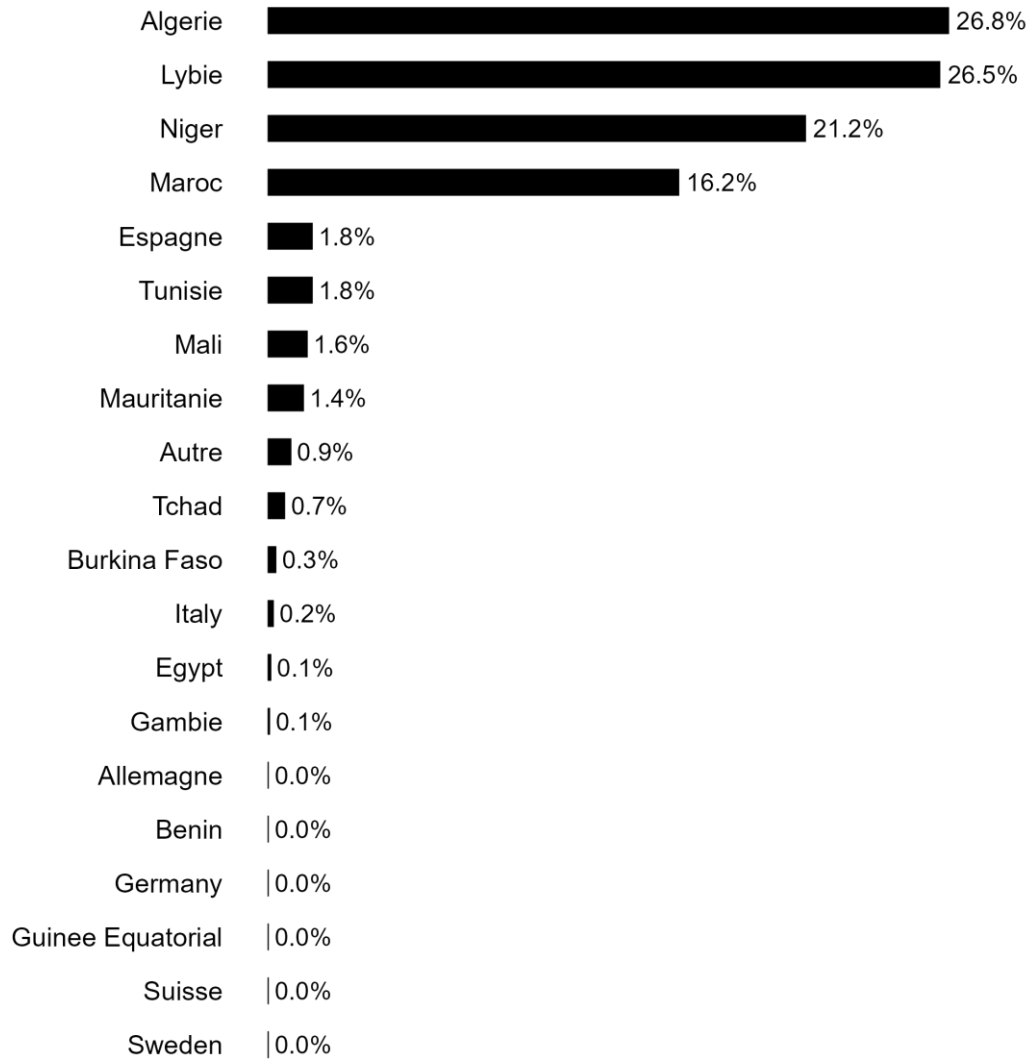
## Country | Overall

Single-select | N = 1,917



## CountryOfReturn | Overall

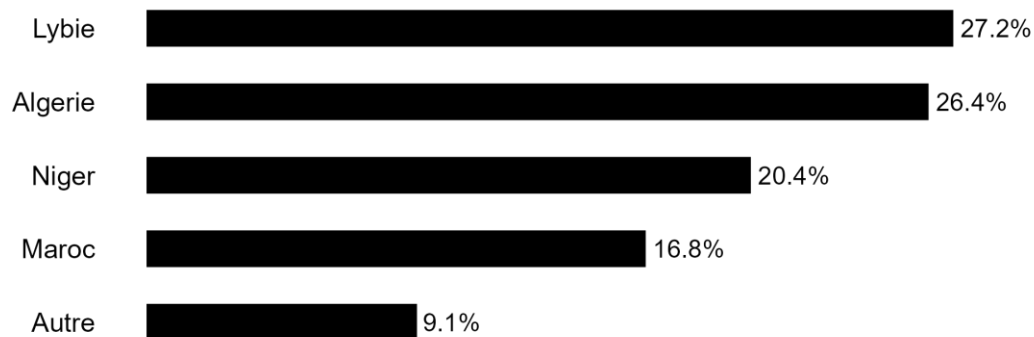
Single-select | N = 2,025



For regression analysis, recoded as:

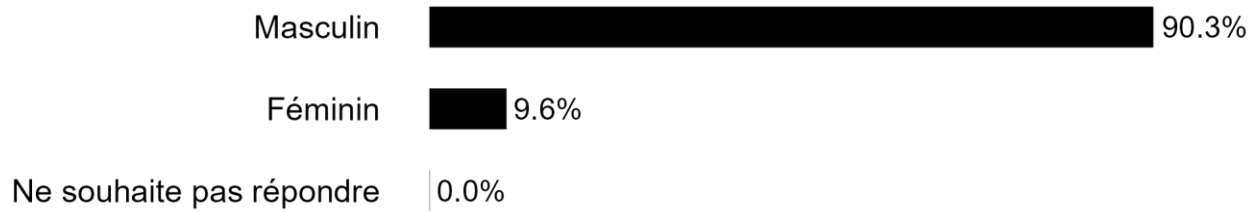
## CountryOfReturn | Overall

Single-select | N = 1,917



## Gender | Overall

Single-select | N = 2,026



For regression analysis, recoded as:

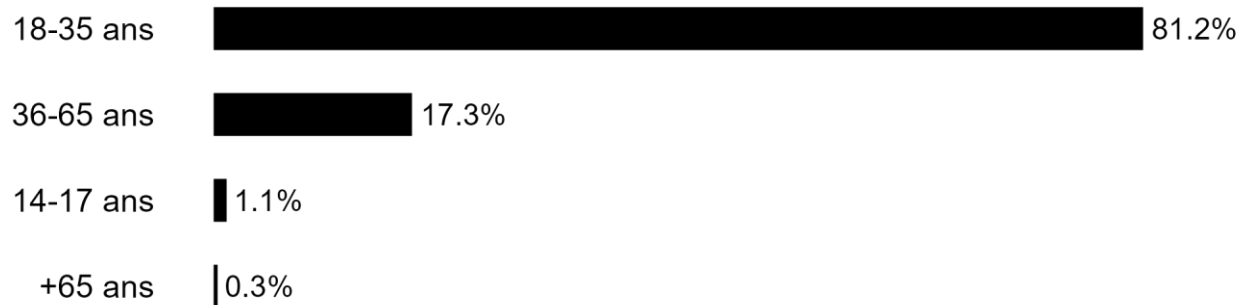
## Gender | Overall

Single-select | N = 1,917



## AgeGroup | Overall

Single-select | N = 2,026



For regression analysis, recoded as:

## AgeGroup | Overall

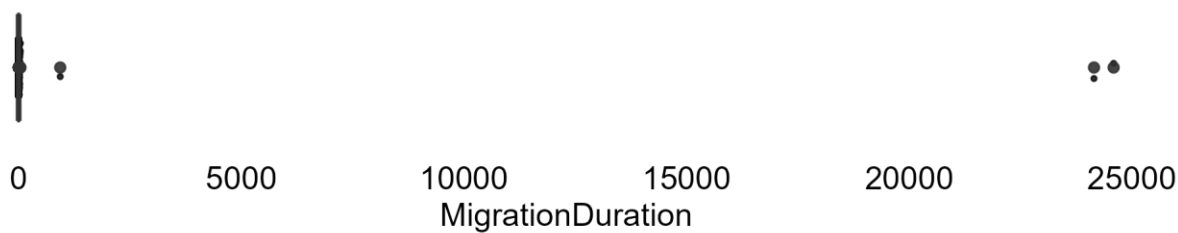
Single-select | N = 1,917





## MigrationDuration | Overall

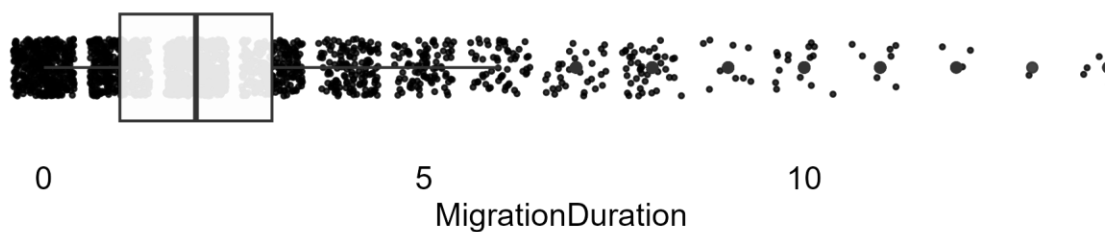
Single-select | N = 1,912



For regression analysis, recoded as:

## MigrationDuration | Overall

Single-select | N = 1,917



## Disabled | Overall

Single-select | N = 2,026



For regression analysis, recoded as:

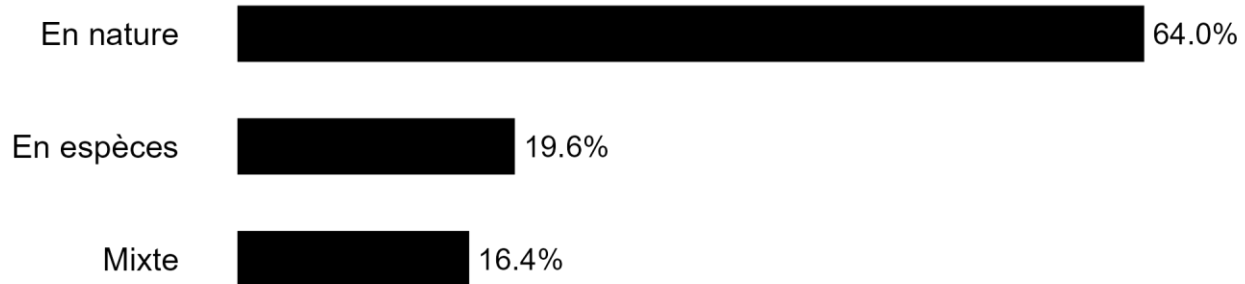
## Disabled | Overall

Single-select | N = 1,917



## ReceivedSupportAs | Overall

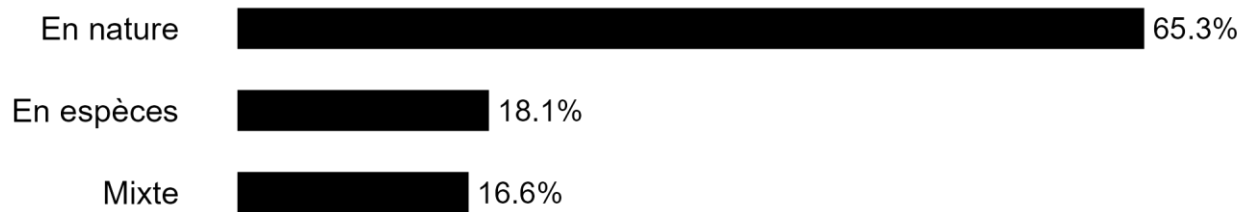
Single-select | N = 2,016



For regression analysis, recoded as:

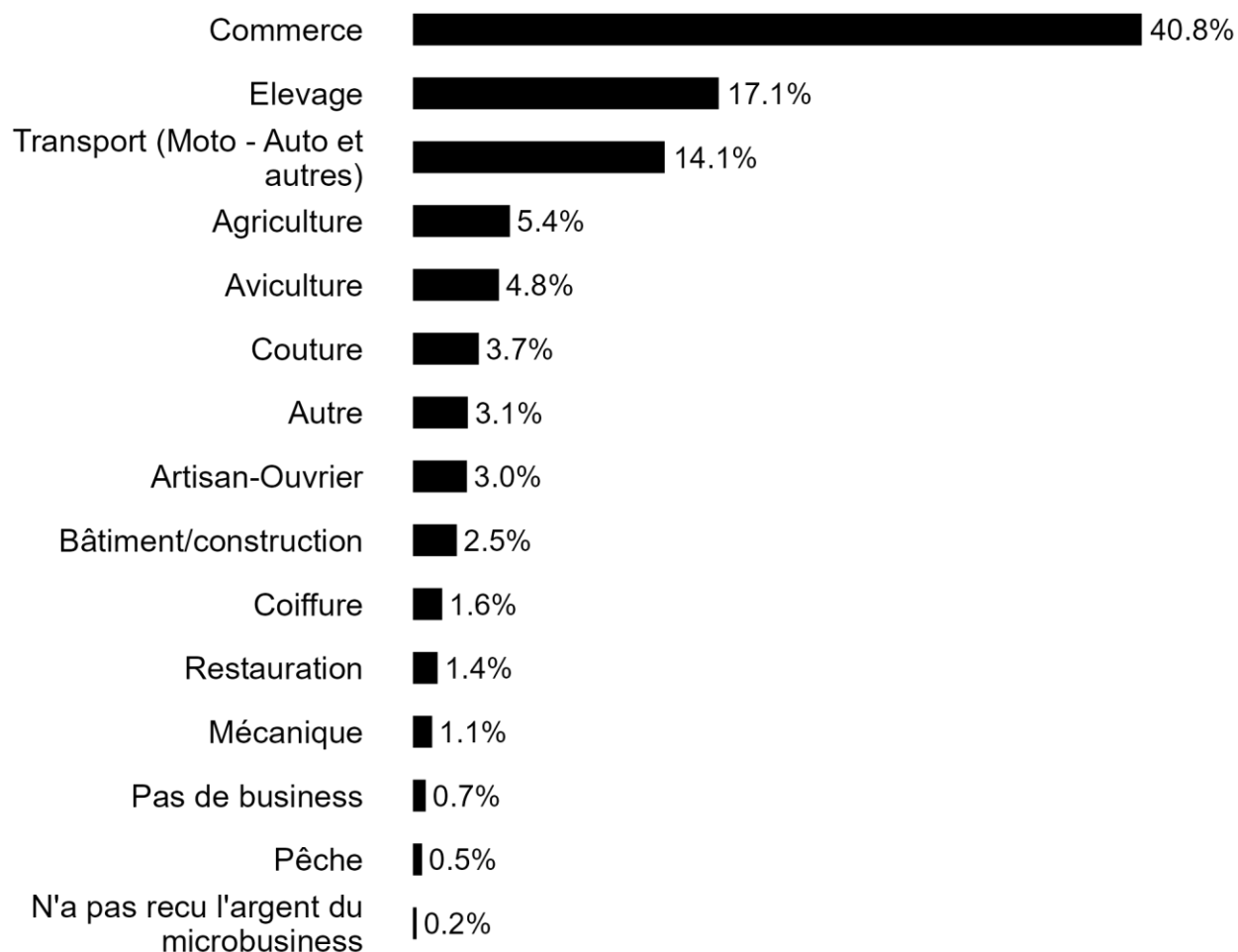
## ReceivedSupportAs | Overall

Single-select | N = 1,917



## BusinessType | Overall

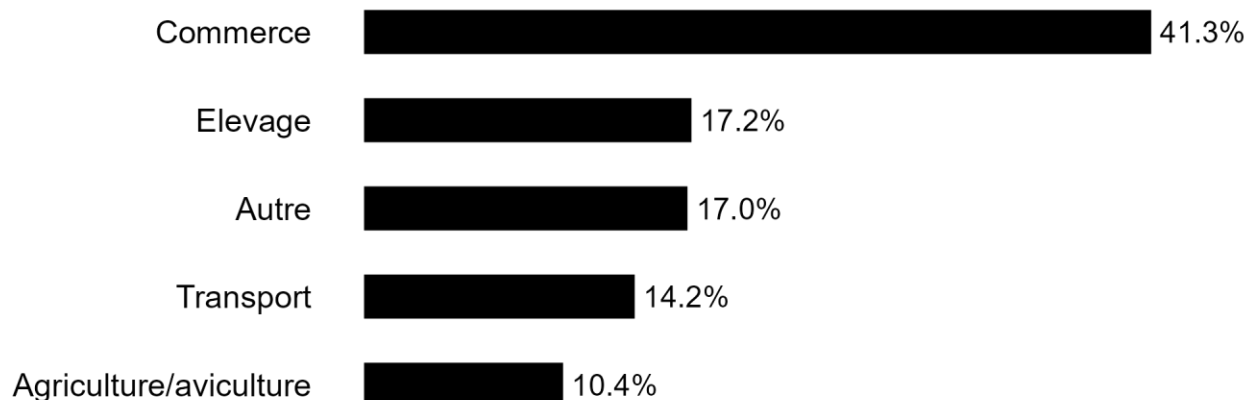
Single-select | N = 1,952



For regression analysis, recoded as:

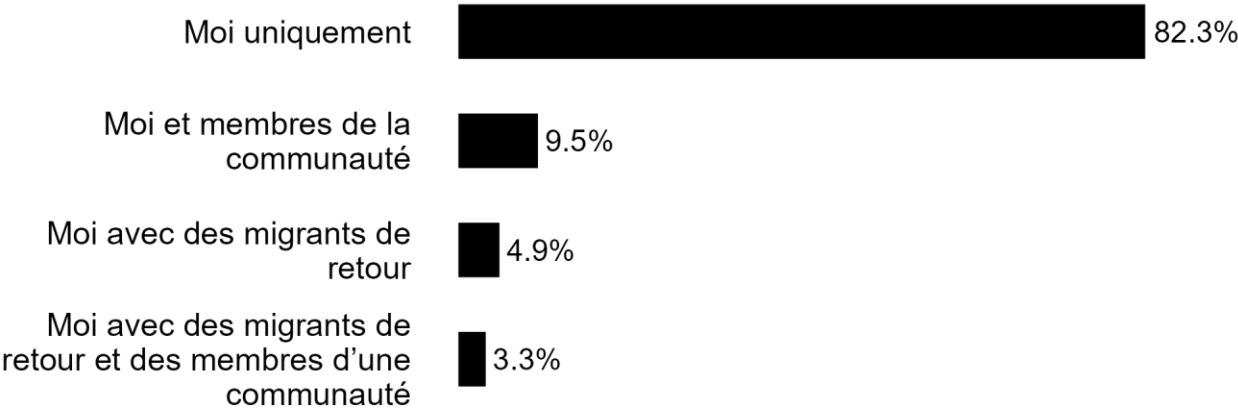
## BusinessType | Overall

Single-select | N = 1,917



BusinessMembers | Overall

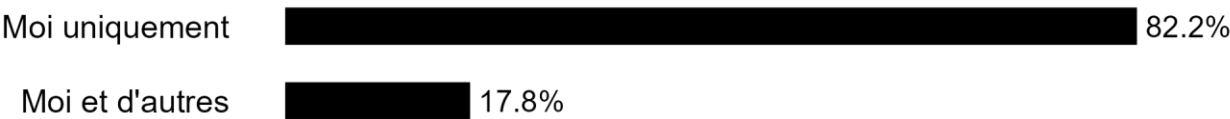
Single-select | N = 1,952



For regression analysis, recoded as:

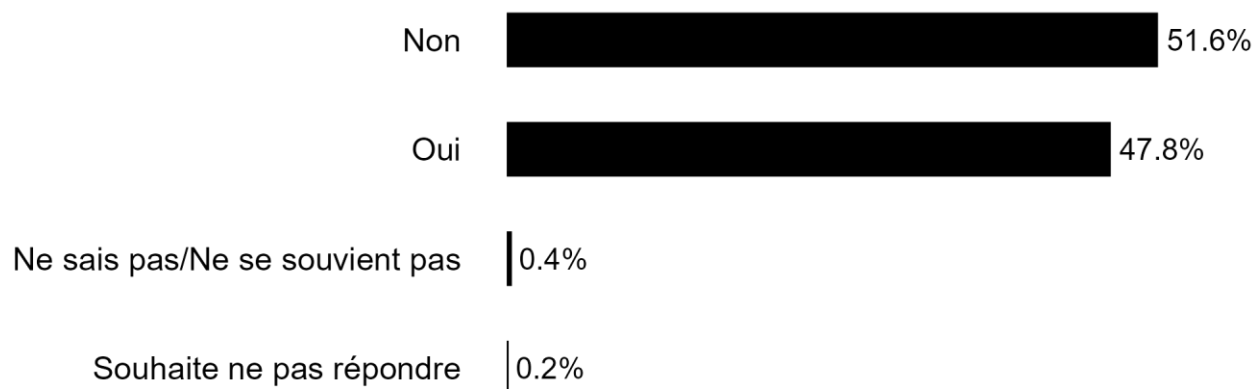
BusinessMembers | Overall

Single-select | N = 1,917



## ReceivedIOMBusinessAdvice | Overall

Single-select | N = 1,952



For regression analysis, recoded as:

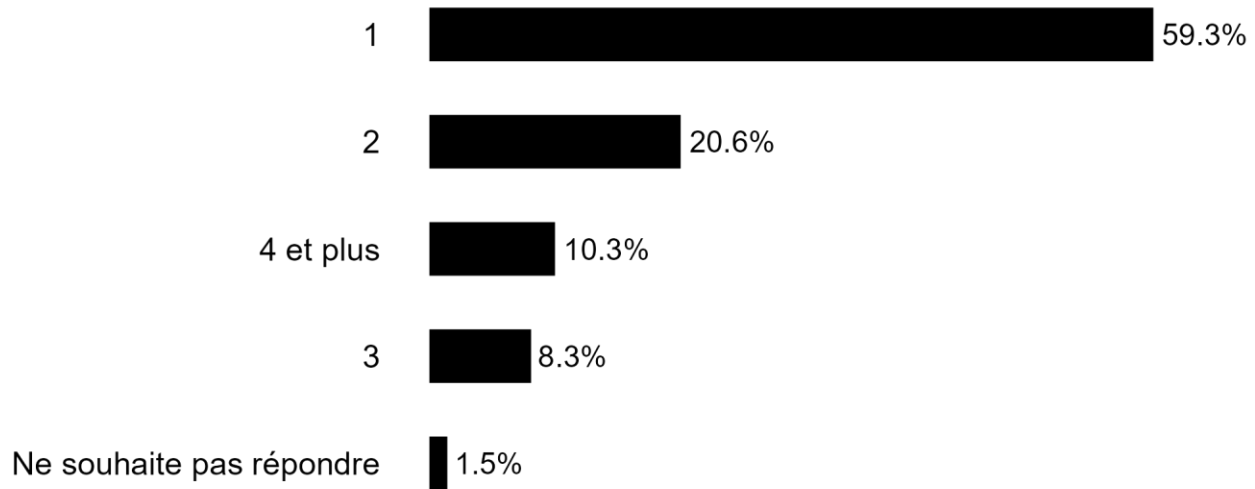
## ReceivedIOMBusinessAdvice | Overall

Single-select | N = 1,917



## EmployeeNumber | Overall

Single-select | N = 408



For regression analysis, recoded as:

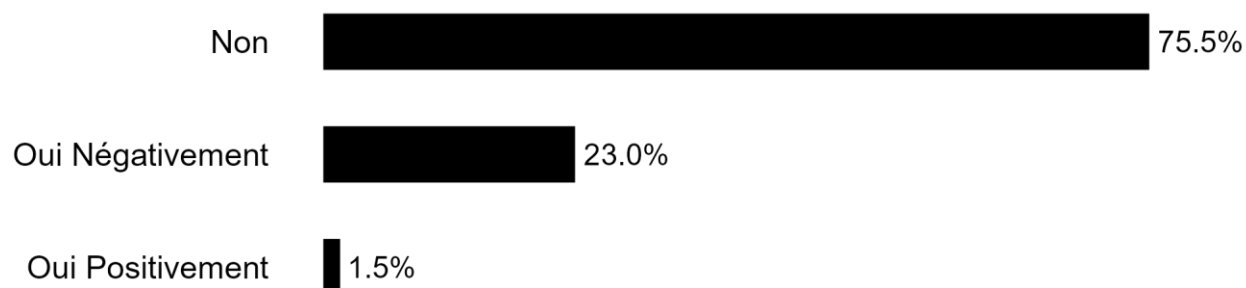
## EmployeeNumber | Overall

Single-select | N = 1,917



## CoronaImpactOnBusiness | Overall

Single-select | N = 1,952



For regression analysis, recoded as:

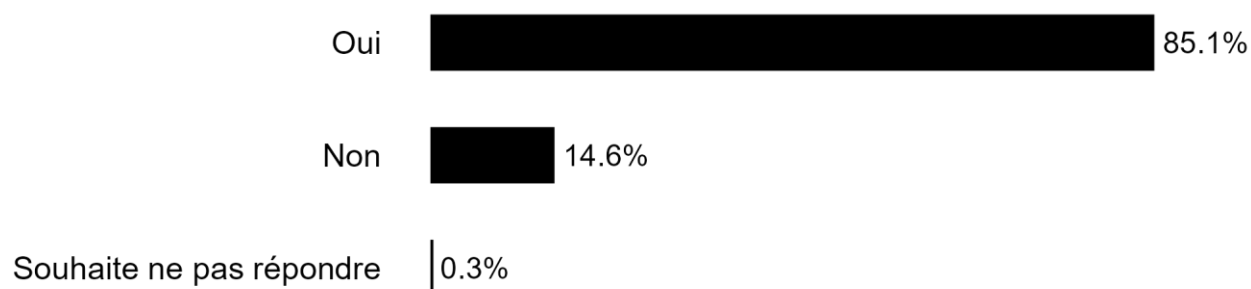
## CoronaImpactOnBusiness | Overall

Single-select | N = 1,917



## FirstChoice | Overall

Single-select | N = 2,016



For regression analysis, recoded as:

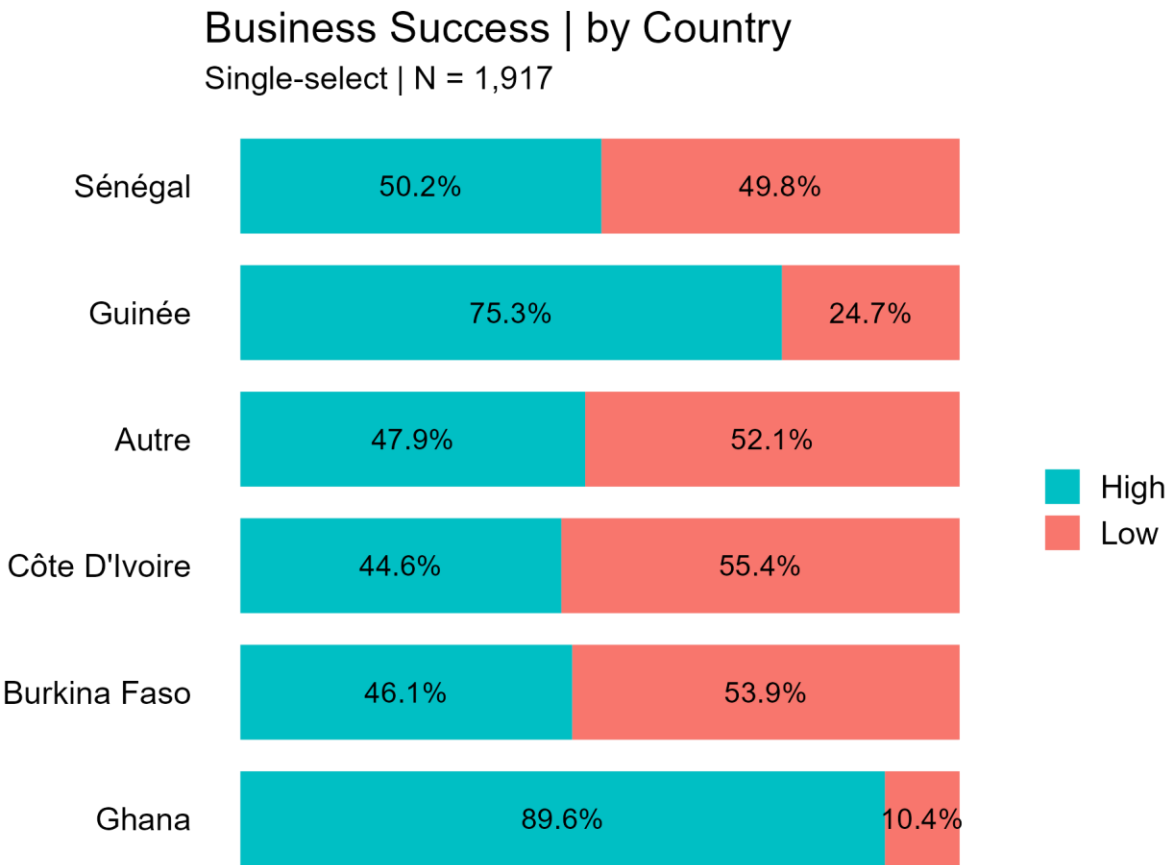
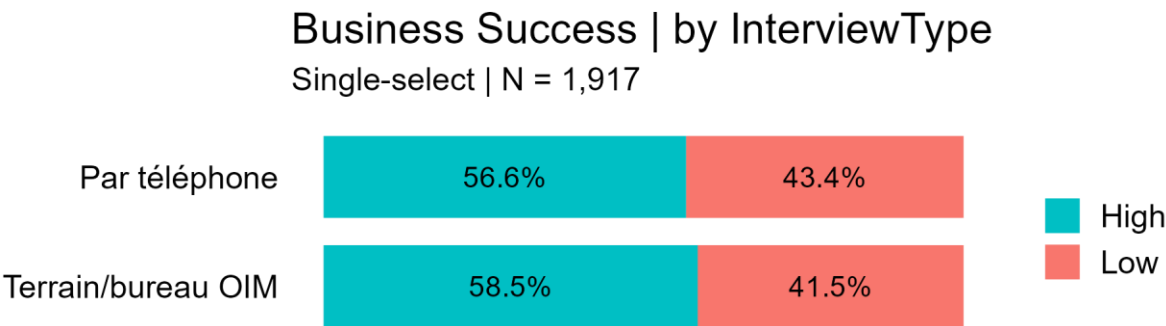
## FirstChoice | Overall

Single-select | N = 1,917



**Appendix X: Frequencies of Business Success (RES) by Each Independent Variable**

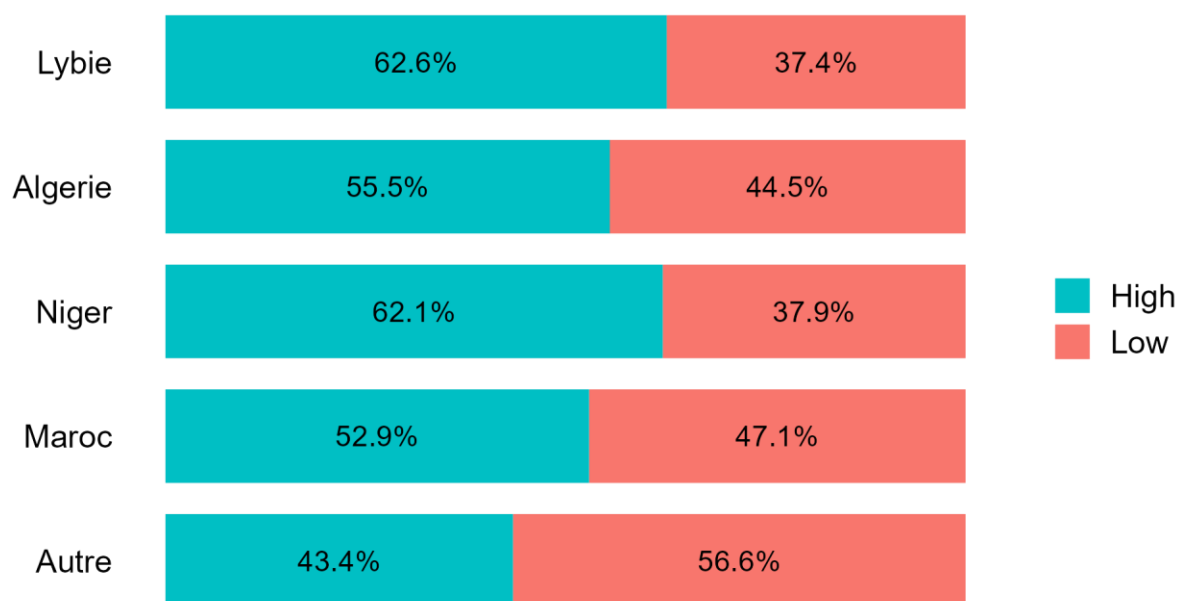
*Note.* Variables are presented in the order in which they appear in the questionnaire, and only variables used in analyses are included (i.e., variables recoded for regression analysis).





## Business Success | by CountryOfReturn

Single-select | N = 1,917



## Business Success | by Gender

Single-select | N = 1,917



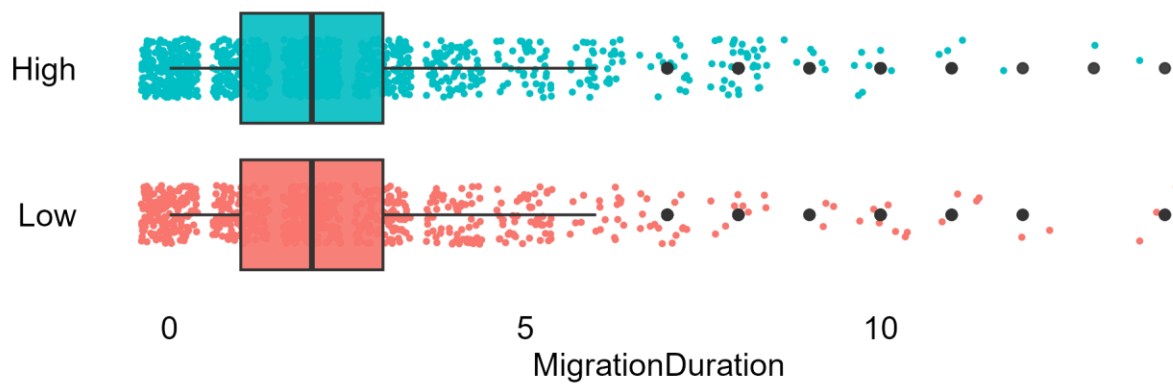
## Business Success | by AgeGroup

Single-select | N = 1,917



## Business Success | by MigrationDuration

Single-select | N = 1,917



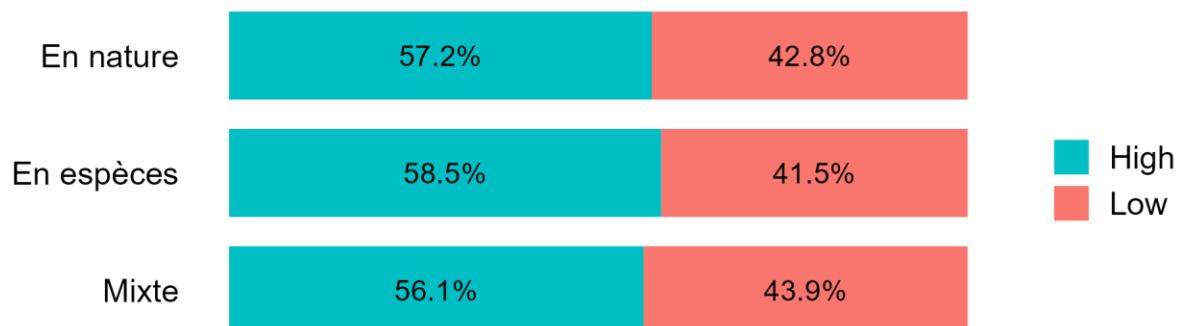
## Business Success | by Disabled

Single-select | N = 1,917



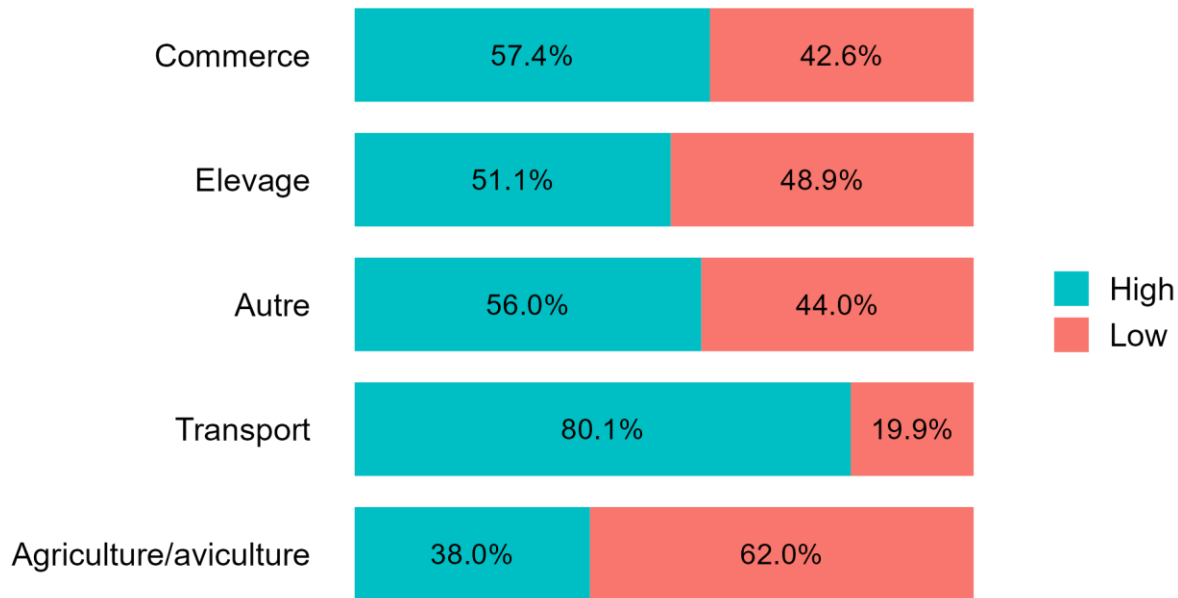
## Business Success | by ReceivedSupportAs

Single-select | N = 1,917



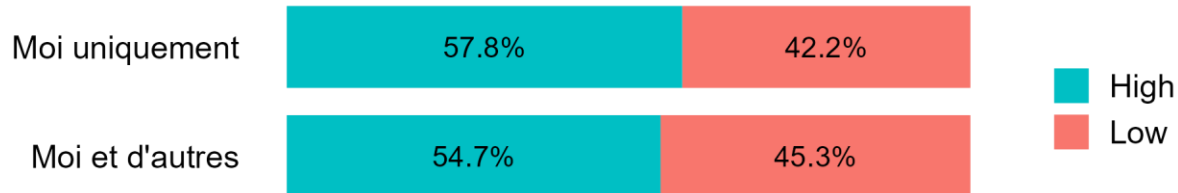
## Business Success | by BusinessType

Single-select | N = 1,917



## Business Success | by BusinessMembers

Single-select | N = 1,917



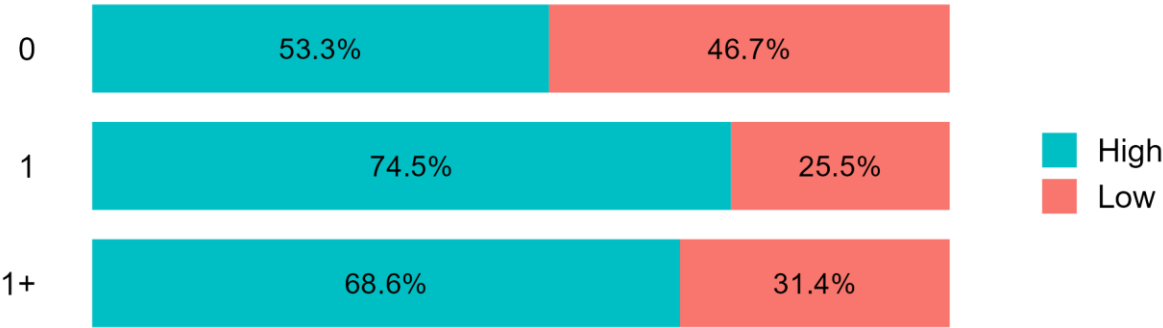
## Business Success | by ReceivedIOMBusinessAdvice

Single-select | N = 1,917



# Business Success | by EmployeeNumber

Single-select | N = 1,917



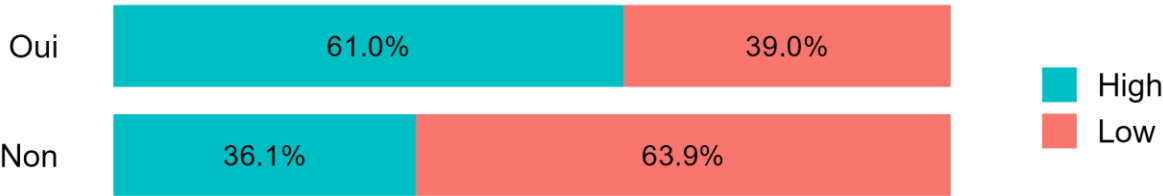
# Business Success | by CoronaImpactOnBusiness

Single-select | N = 1,917



# Business Success | by FirstChoice

Single-select | N = 1,917

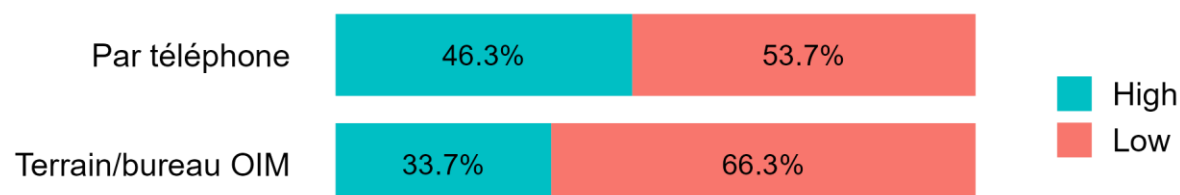


## Appendix X: Frequencies of Business Profitability (RES) by Each Independent Variable

*Note.* Variables are presented in the order in which they appear in the questionnaire, and only variables used in analyses are included (i.e., variables recoded for regression analysis).

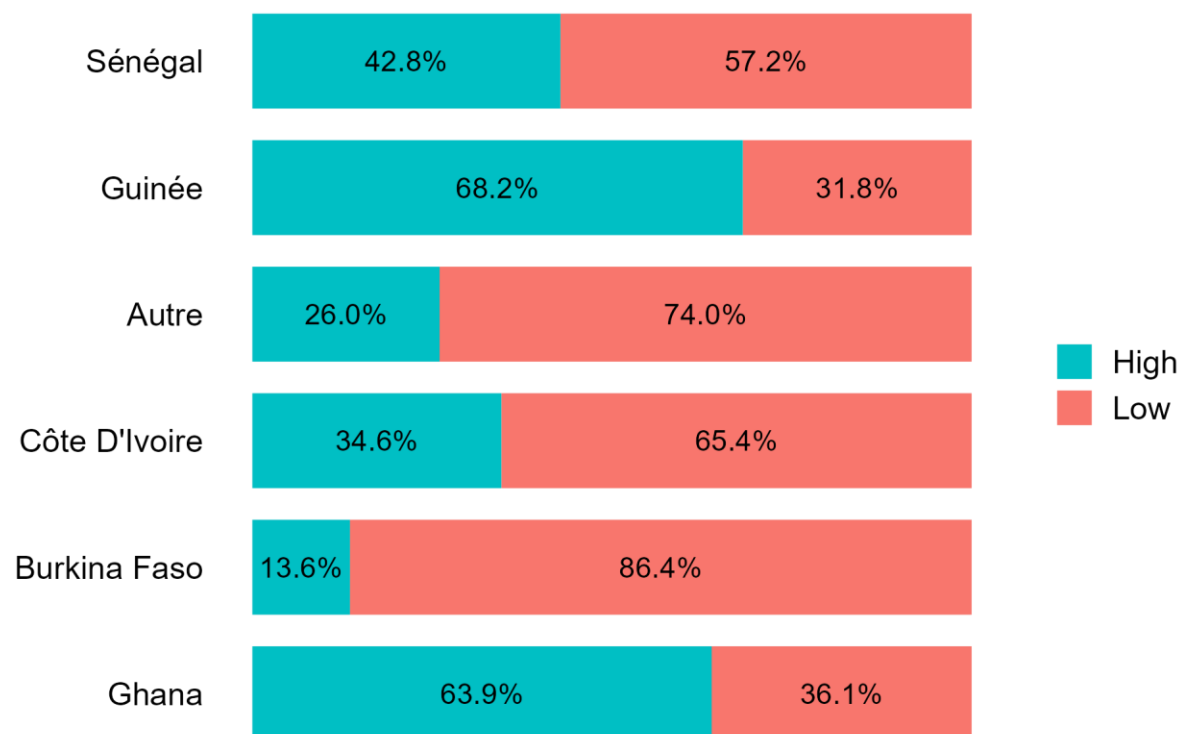
### Business Profitability | by InterviewType

Single-select | N = 1,917



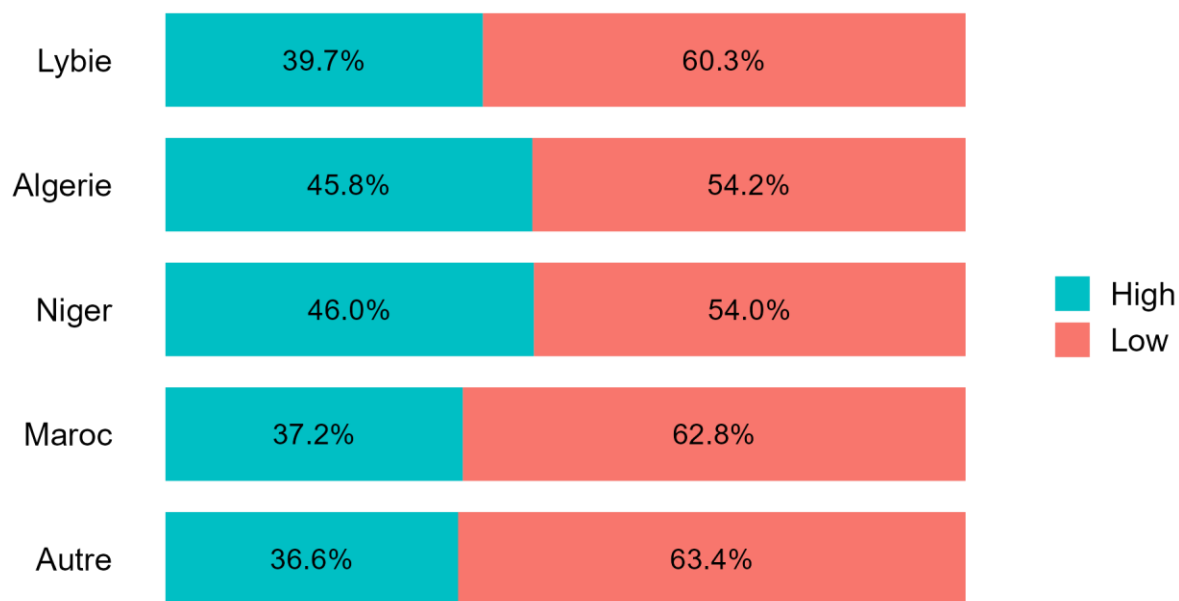
### Business Profitability | by Country

Single-select | N = 1,917



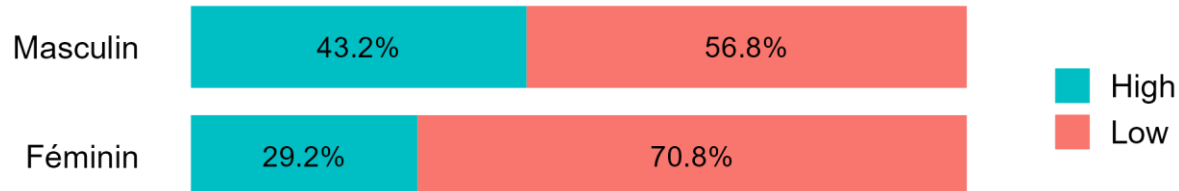
## Business Profitability | by CountryOfReturn

Single-select | N = 1,917



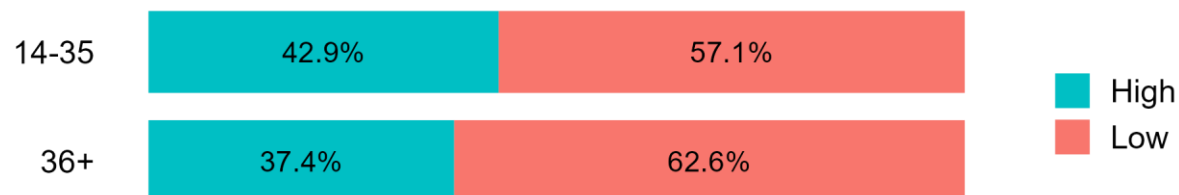
## Business Profitability | by Gender

Single-select | N = 1,917



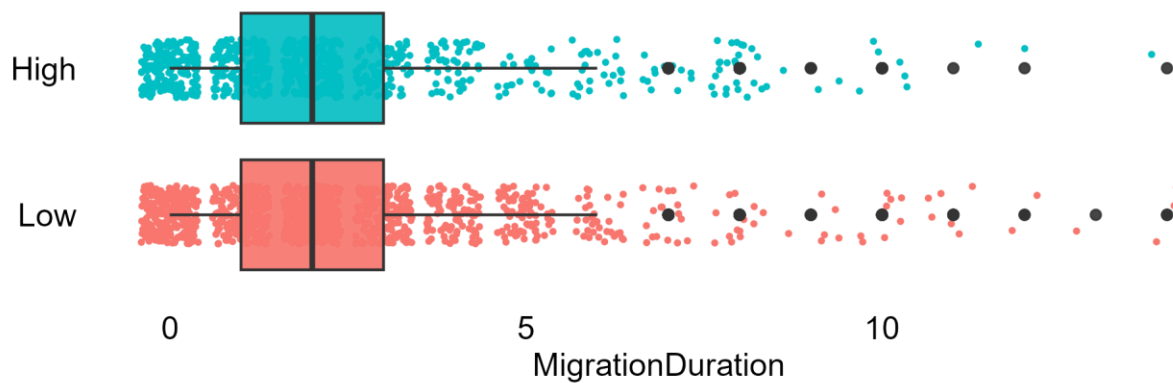
## Business Profitability | by AgeGroup

Single-select | N = 1,917



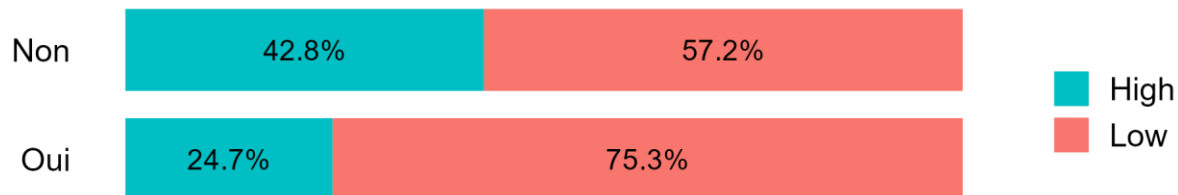
## Business Profitability | by MigrationDuration

Single-select | N = 1,917



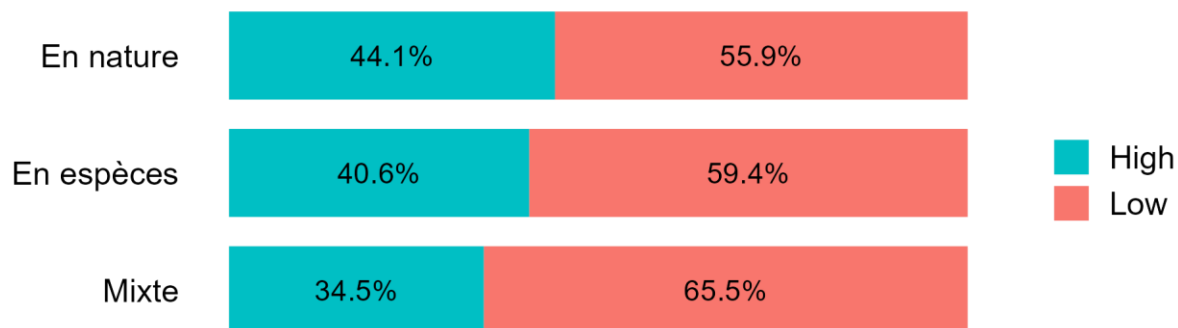
## Business Profitability | by Disabled

Single-select | N = 1,917



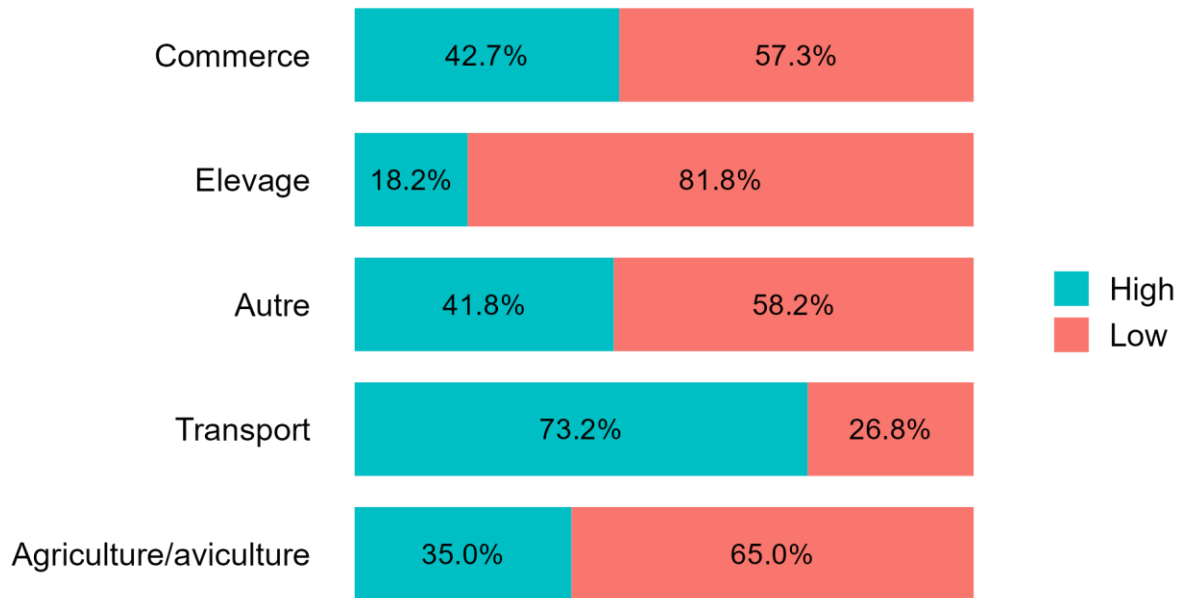
## Business Profitability | by ReceivedSupportAs

Single-select | N = 1,917



## Business Profitability | by BusinessType

Single-select | N = 1,917



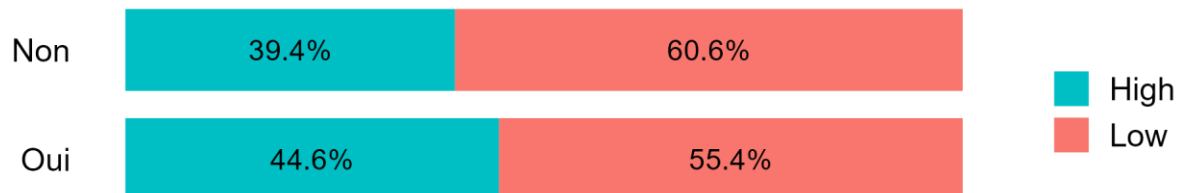
## Business Profitability | by BusinessMembers

Single-select | N = 1,917



## Business Profitability | by ReceivedIOMBusinessAdvice

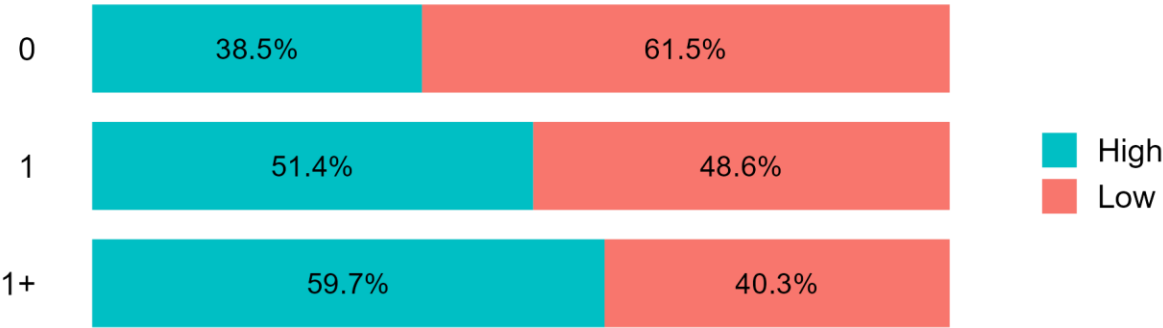
Single-select | N = 1,917





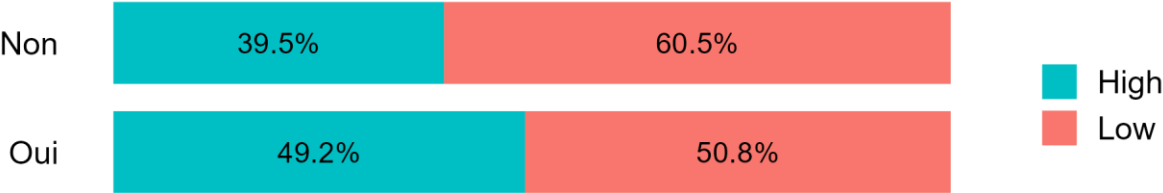
# Business Profitability | by EmployeeNumber

Single-select | N = 1,917



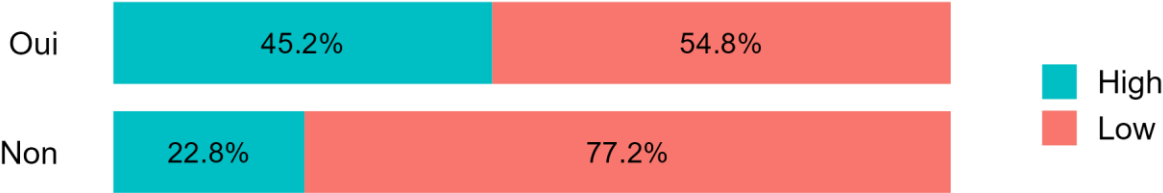
# Business Profitability | by CoronalImpactOnBusiness

Single-select | N = 1,917



# Business Profitability | by FirstChoice

Single-select | N = 1,917

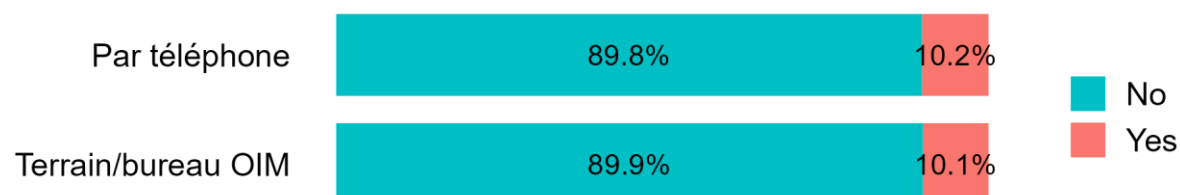


## Appendix X: Frequencies of Intentions to Migrate (RES) by Each Independent Variable

*Note.* Variables are presented in the order in which they appear in the questionnaire, and only variables used in analyses are included (i.e., variables recoded for regression analysis).

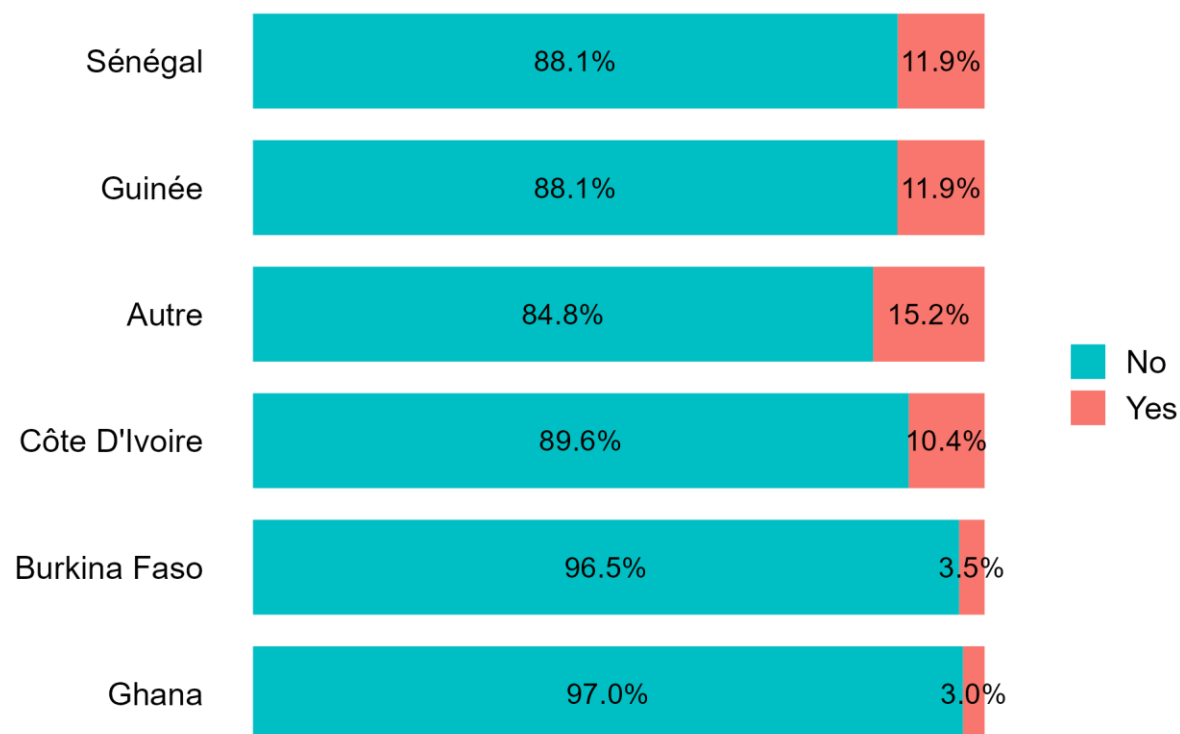
### Plan to Migrate Again | by InterviewType

Single-select | N = 1,917



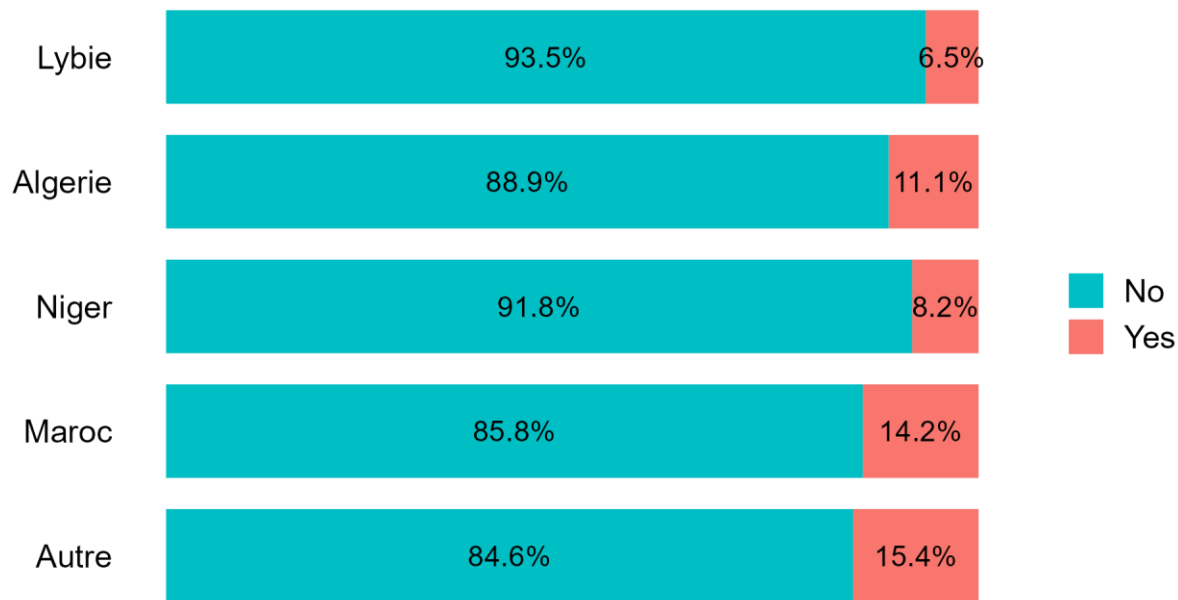
### Plan to Migrate Again | by Country

Single-select | N = 1,917



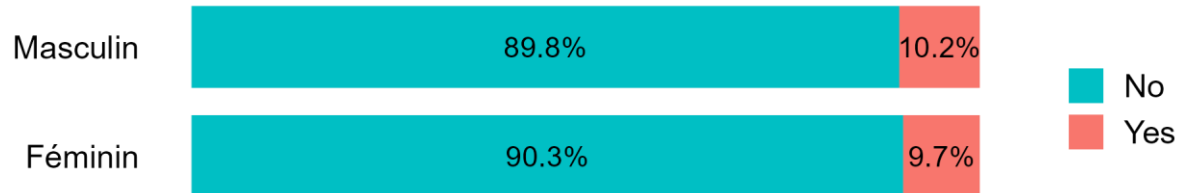
## Plan to Migrate Again | by CountryOfReturn

Single-select | N = 1,917



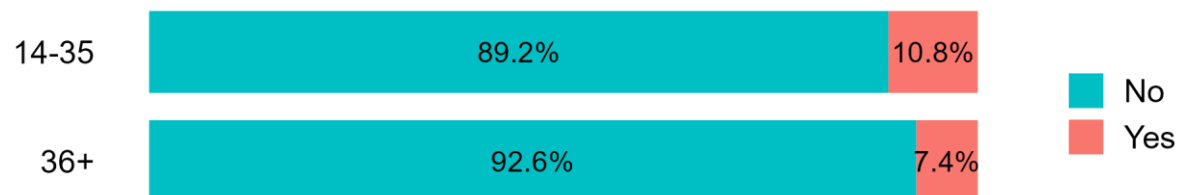
## Plan to Migrate Again | by Gender

Single-select | N = 1,917



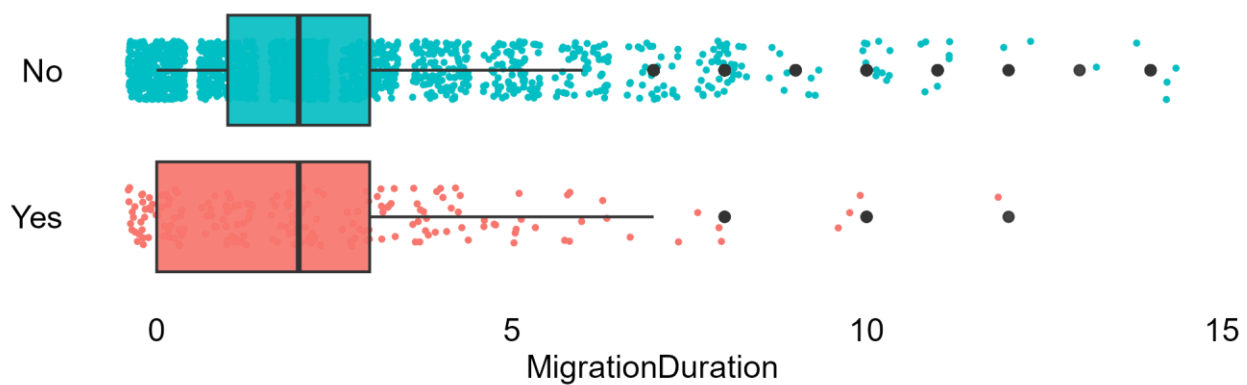
## Plan to Migrate Again | by AgeGroup

Single-select | N = 1,917



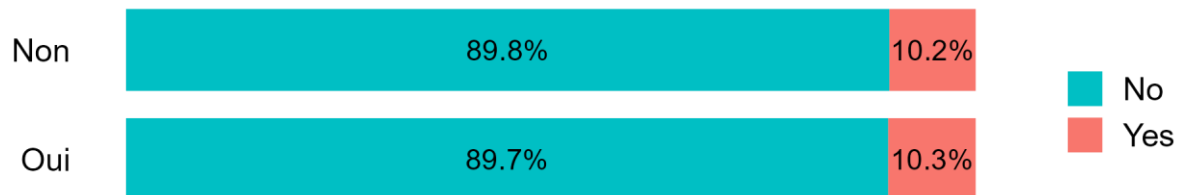
## Plan to Migrate Again | by MigrationDuration

Single-select | N = 1,917



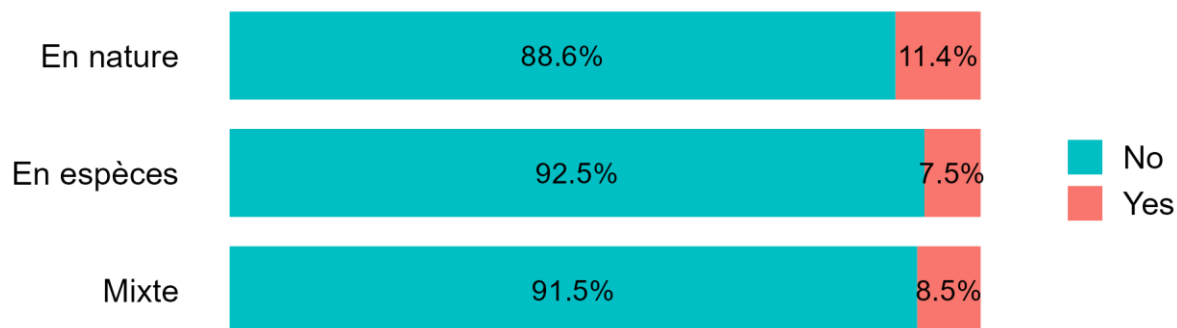
## Plan to Migrate Again | by Disabled

Single-select | N = 1,917



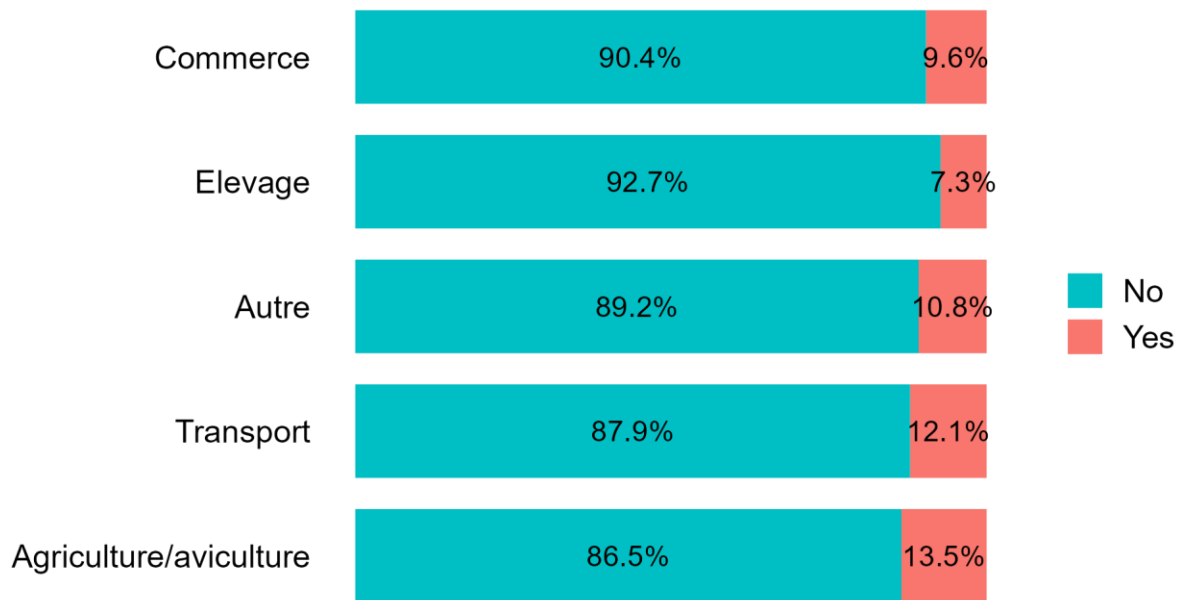
## Plan to Migrate Again | by ReceivedSupportAs

Single-select | N = 1,917



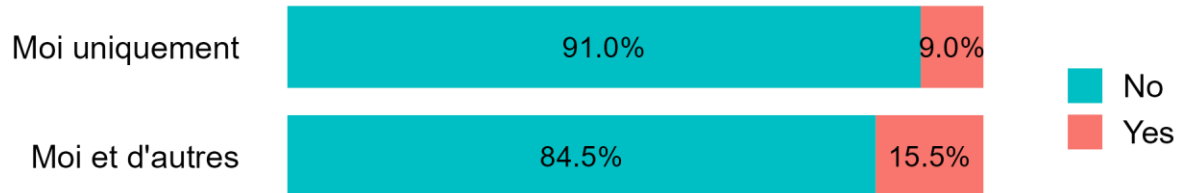
## Plan to Migrate Again | by BusinessType

Single-select | N = 1,917



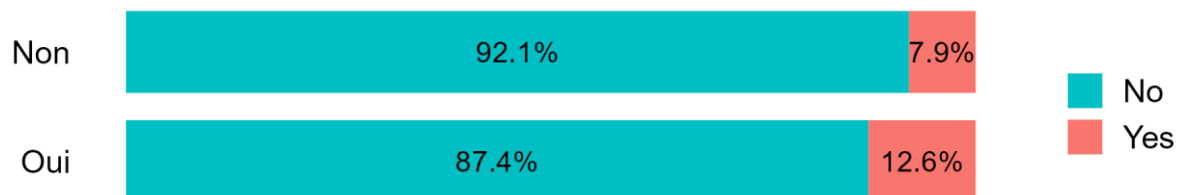
## Plan to Migrate Again | by BusinessMembers

Single-select | N = 1,917



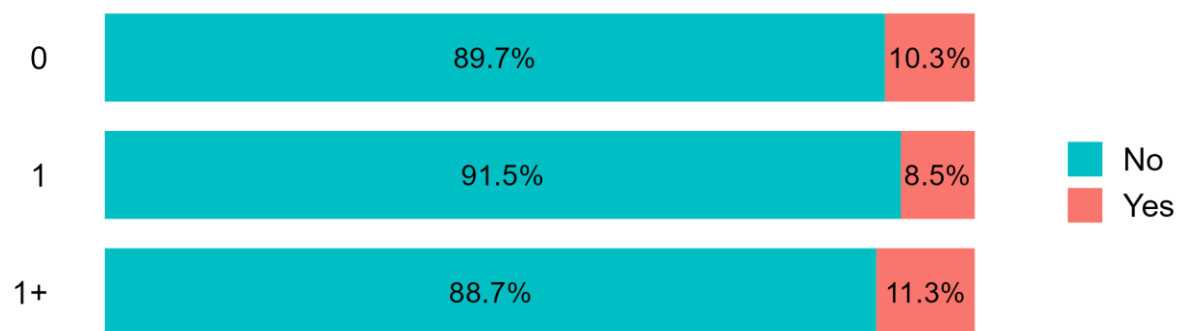
## Plan to Migrate Again | by ReceivedIOMBusinessAdvice

Single-select | N = 1,917



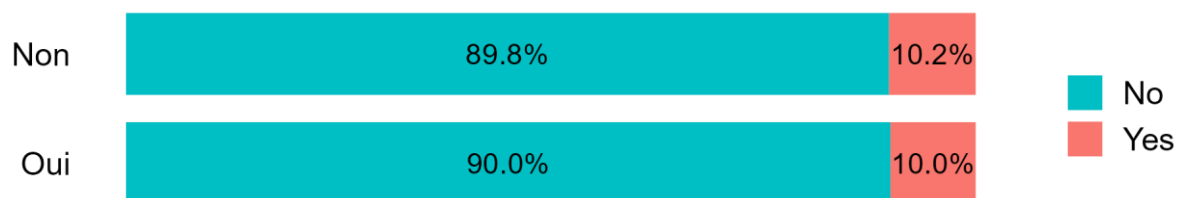
## Plan to Migrate Again | by EmployeeNumber

Single-select | N = 1,917



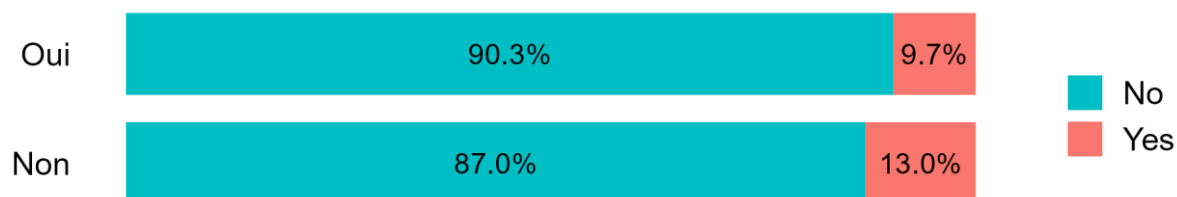
## Plan to Migrate Again | by CoronaImpactOnBusiness

Single-select | N = 1,917



## Plan to Migrate Again | by FirstChoice

Single-select | N = 1,917



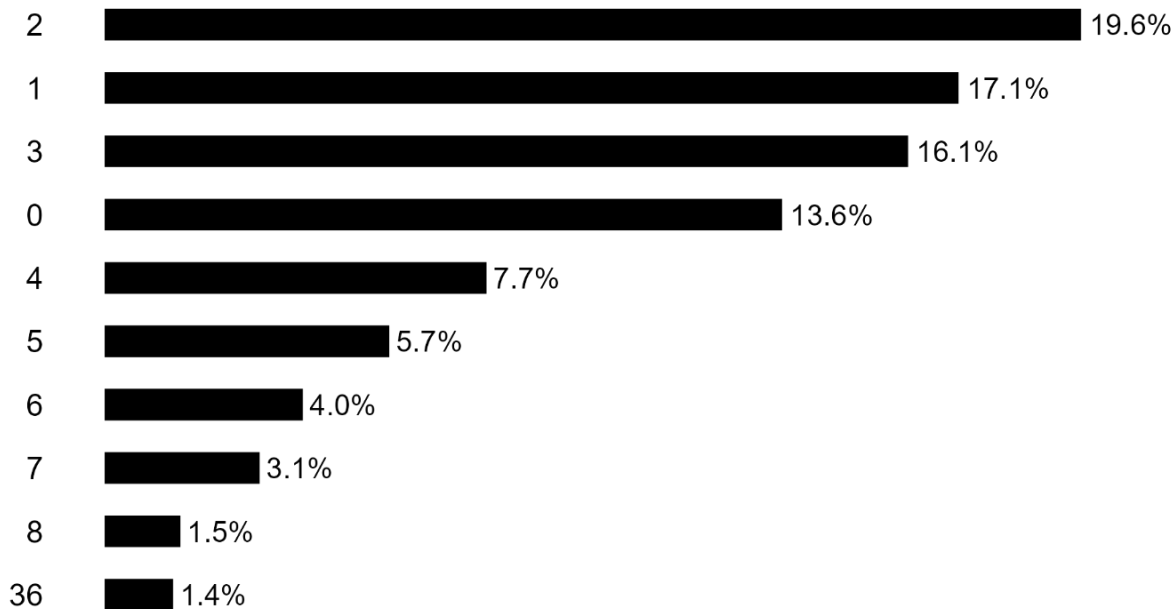
## Appendix X: Frequencies of RSS Variables

*Note.* Each variable has two graphs. The first graph shows frequencies from the raw data, whereas the second graph shows frequencies after recoding for regression analysis. The number of respondents is provided in the subtitle of each graph. Typically, the second graph has fewer answer options, and a smaller number of observations. That is because some answer options were grouped and some missing answers or outliers were removed for regression analysis.

Variables are presented in the order in which they appear in the questionnaire, and only variables used in analyses are included. Dependent variables are presented in the main text.

### migration\_duration | Overall

Single-select | N = 1,385

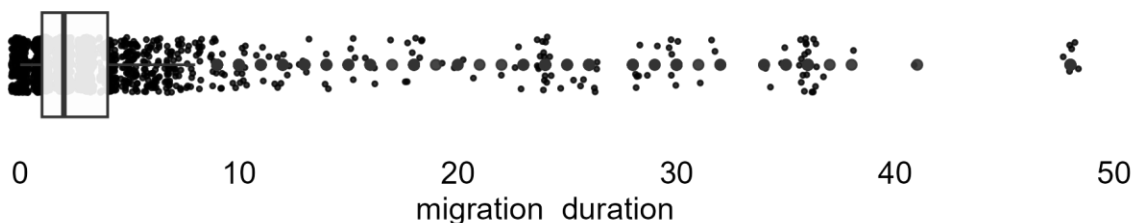


*Note.* Only the 10 most frequent categories are shown in this graph.

For regression analysis, converted to continuous and recoded as:

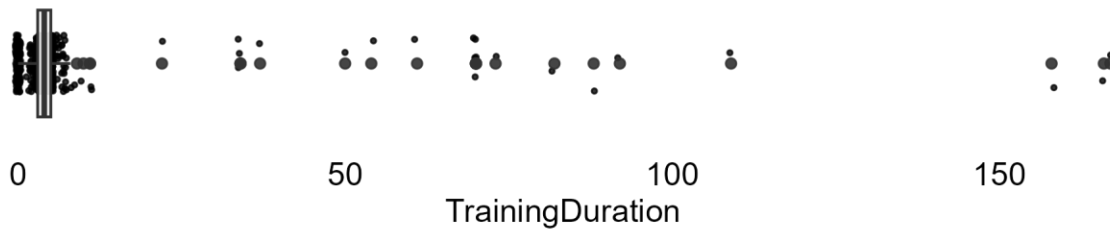
### migration\_duration | Overall

Single-select | N = 1,385



## TrainingDuration | Overall

Single-select | N = 615



For regression analysis, recoded as:

## TrainingDuration | Overall

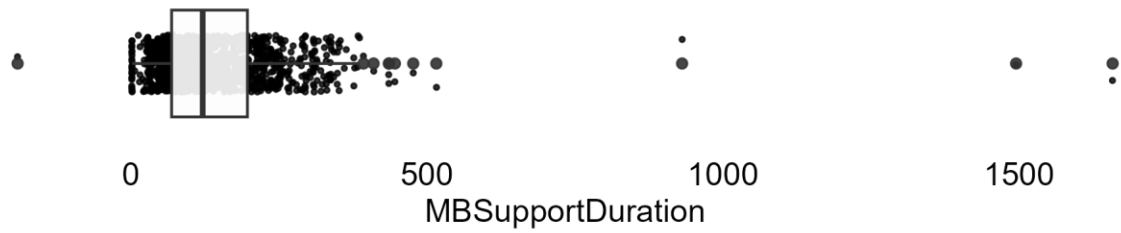
Single-select | N = 1,385





## MBSupportDuration | Overall

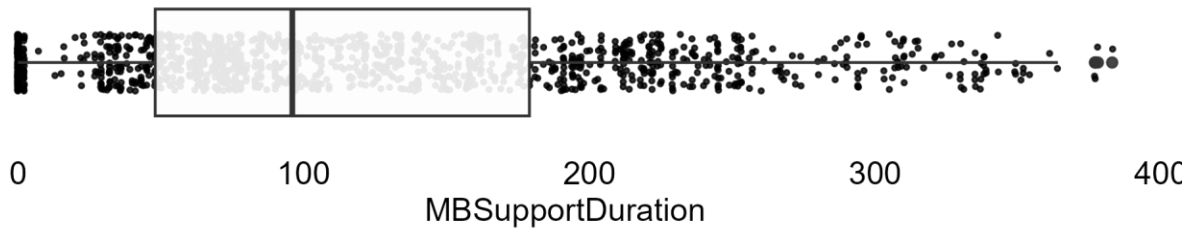
Single-select | N = 1,182



For regression analysis, recoded as:

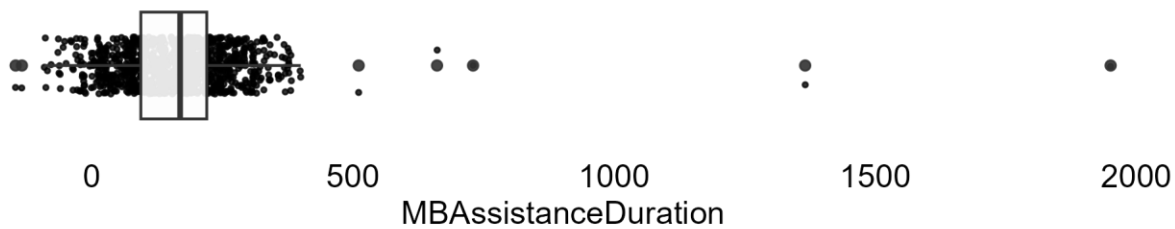
## MBSupportDuration | Overall

Single-select | N = 1,385



## MBAssistanceDuration | Overall

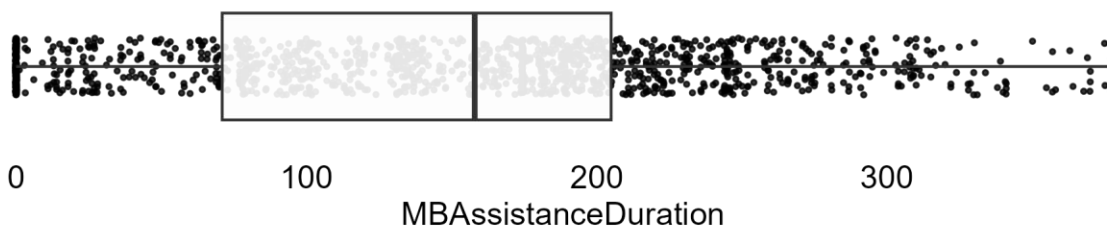
Single-select | N = 1,184



For regression analysis, recoded as:

## MBAssistanceDuration | Overall

Single-select | N = 1,385



## sex | Overall

Single-select | N = 1,385



For regression analysis, recoded as:

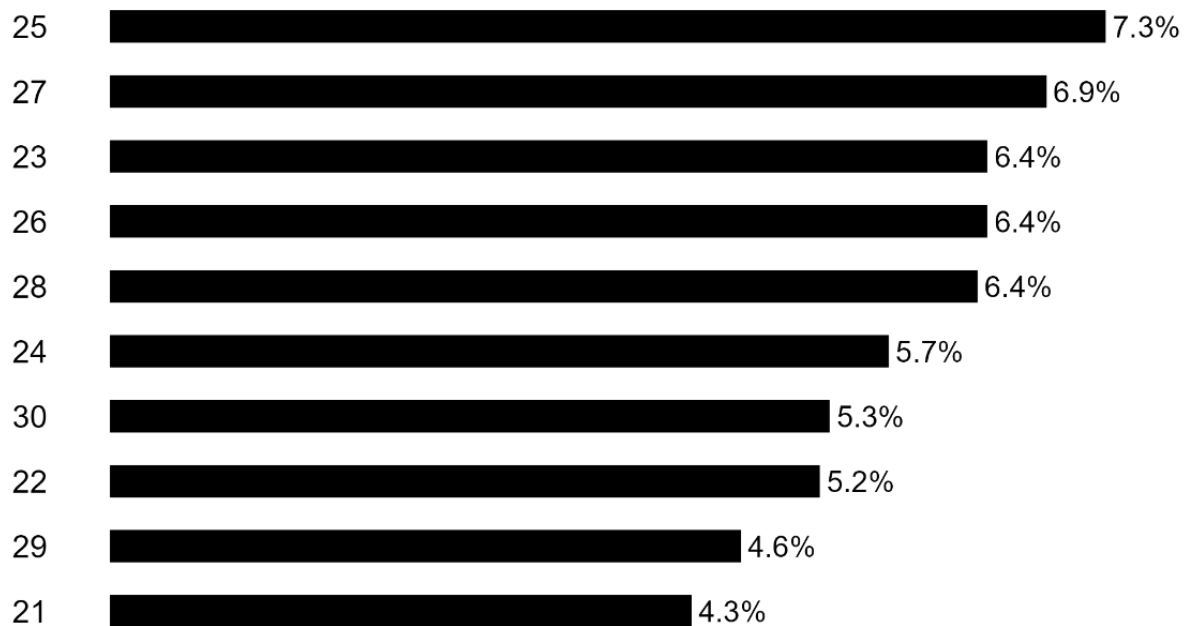
## sex | Overall

Single-select | N = 1,385



## age | Overall

Single-select | N = 1,385



For regression analysis, converted to continuous and recoded as:

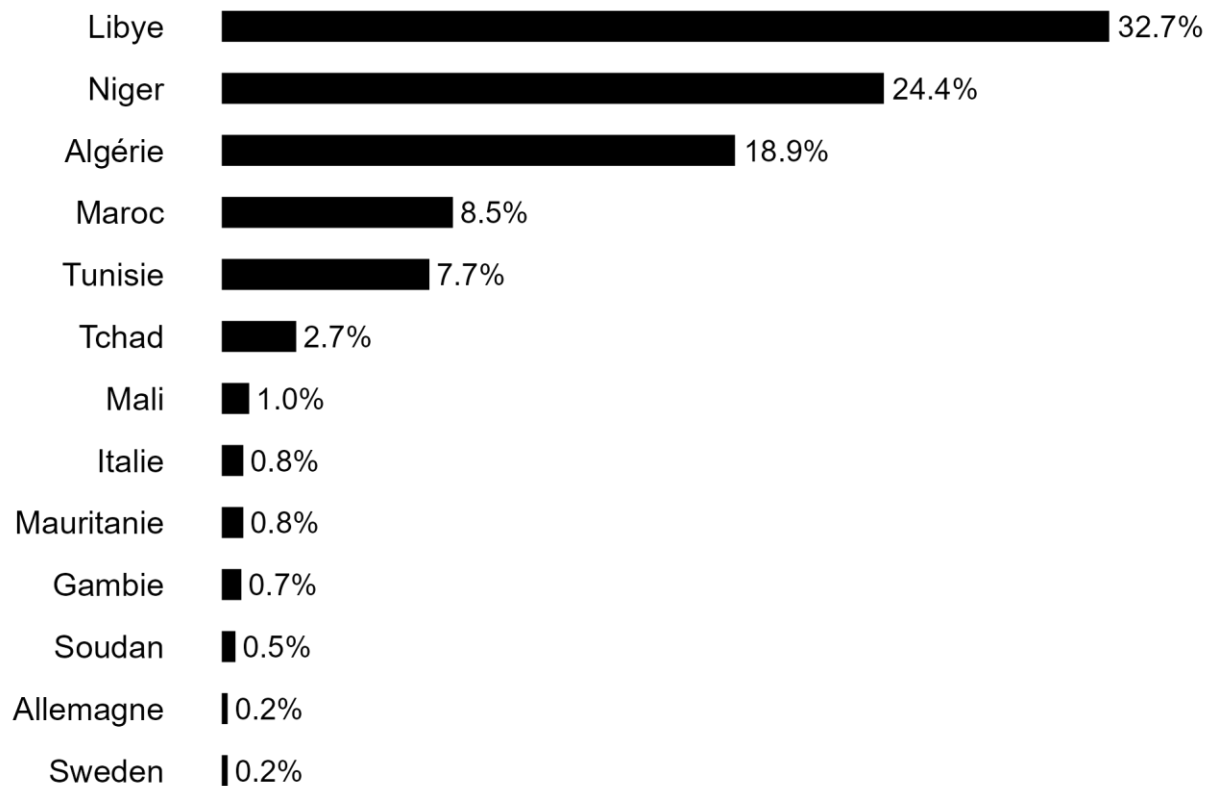
## age | Overall

Single-select | N = 1,385



## return\_country | Overall

Single-select | N = 1,385



*Note.* Only answers that were cited more than 0.1% of the times are shown in this graph.

For regression analysis, recoded as:

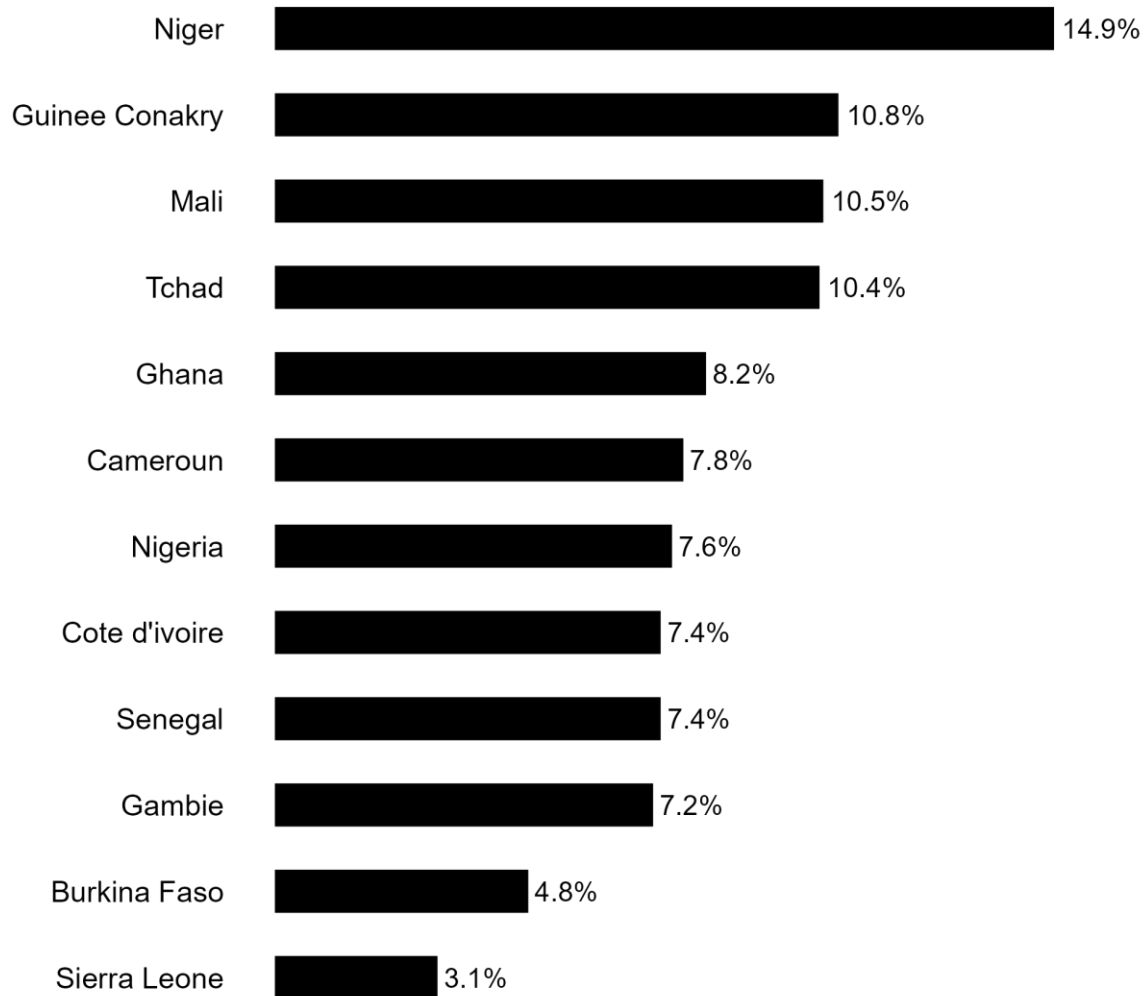
## return\_country | Overall

Single-select | N = 1,385



## origin\_country | Overall

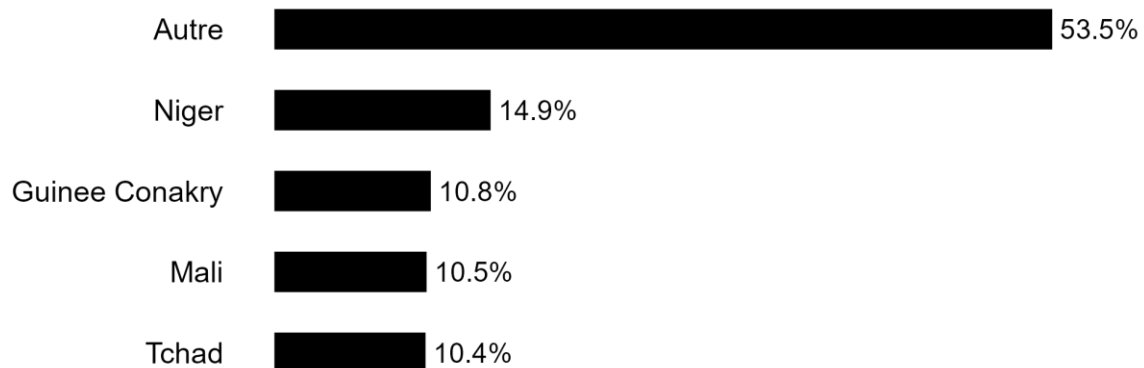
Single-select | N = 1,385



For regression analysis, recoded as:

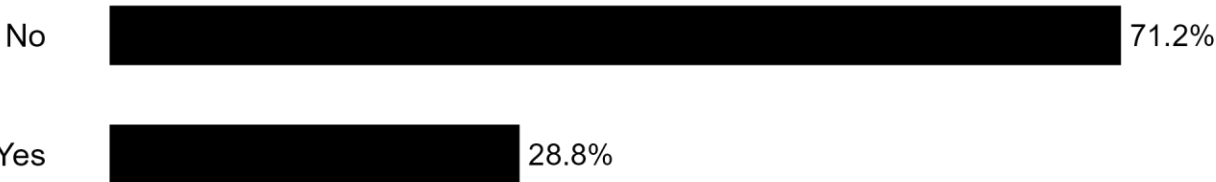
## origin\_country | Overall

Single-select | N = 1,385



FinancialServices | Overall

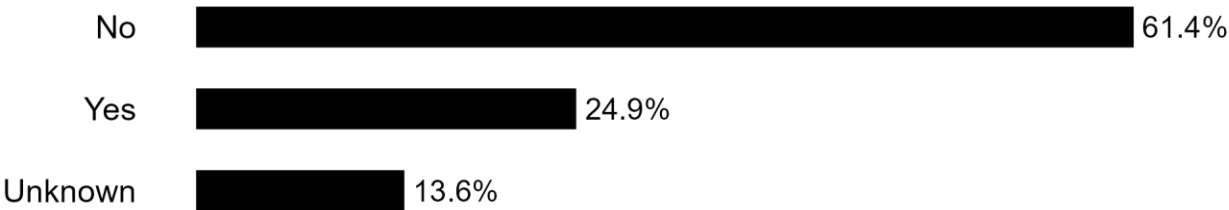
Single-select | N = 1,196



For regression analysis, recoded as:

FinancialServices | Overall

Single-select | N = 1,385



## Training | Overall

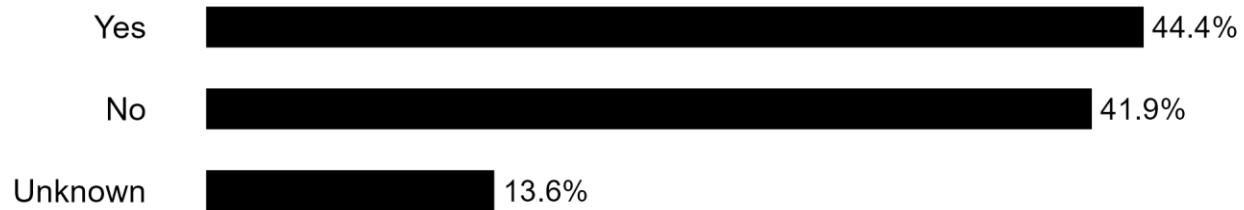
Single-select | N = 1,196



For regression analysis, recoded as:

## Training | Overall

Single-select | N = 1,385



## SocialSupport | Overall

Single-select | N = 1,196



For regression analysis, recoded as:

## SocialSupport | Overall

Single-select | N = 1,385



## MaterialAssistance | Overall

Single-select | N = 1,196



For regression analysis, recoded as:

## MaterialAssistance | Overall

Single-select | N = 1,385





# MedicalSupport | Overall

Single-select | N = 1,196



For regression analysis, recoded as:

# MedicalSupport | Overall

Single-select | N = 1,385



# PsychosocialSupport | Overall

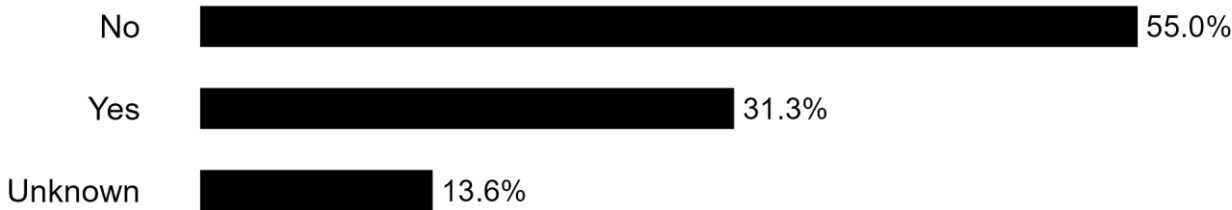
Single-select | N = 1,196



For regression analysis, recoded as:

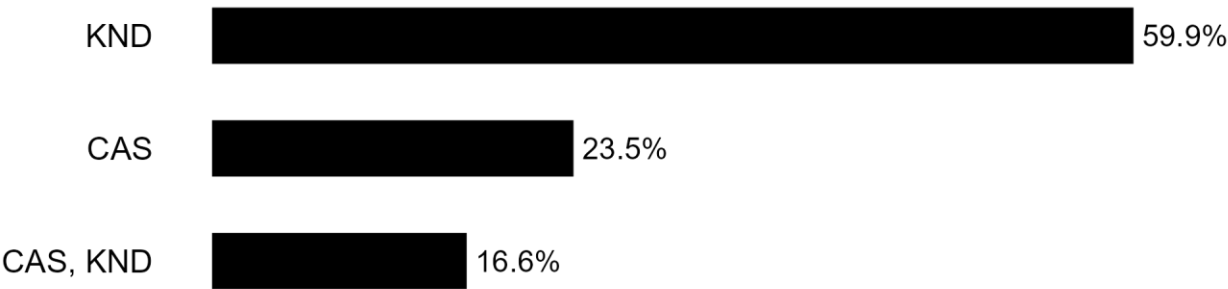
# PsychosocialSupport | Overall

Single-select | N = 1,385



# MicrobusinessFormOfAssistance | Overall

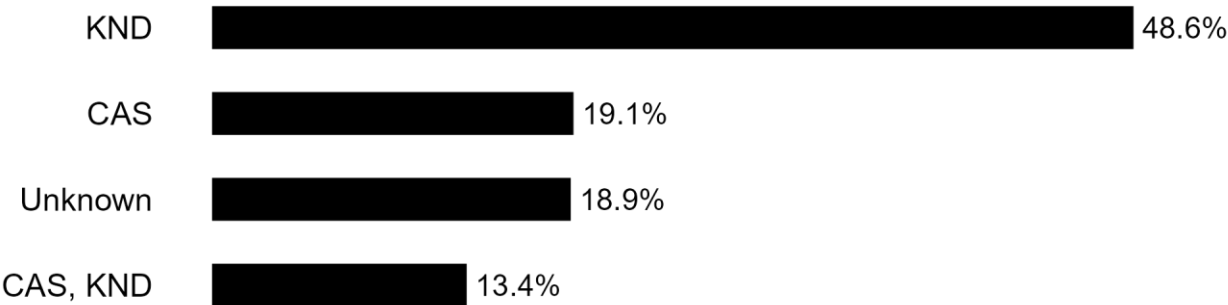
Single-select | N = 1,123



For regression analysis, recoded as:

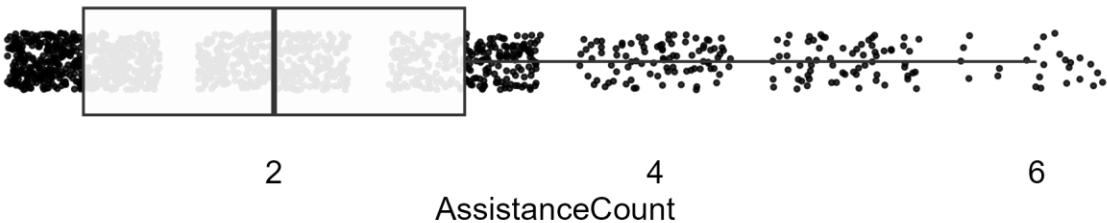
# MicrobusinessFormOfAssistance | Overall

Single-select | N = 1,385



# AssistanceCount | Overall

Single-select | N = 1,385



*Note.* This is an engineered variable.

## Business management training

### From personal notes:

Cloture de l'initiative conjointe des 5 dernières années

Afrique de l'Ouest et Corne—16 pays

2021—avril 2023 était dernière phase\*

C'est des retournés volontaires, qui sont accompagnés par l'OIM

[Afrique de l'Ouest, possibly Sahel]

[The Join Initiative was launched in 2016]

### From Induction for new staff:

"The EU-IOM Joint Initiative (JI) for Migrant Protection and Reintegration in the Sahel and Lake Chad region was launched in April 2017 and implemented in 13 countries (Burkina Faso, Cameroon, Chad, Côte d'Ivoire, The Gambia, Ghana, Guinea, Guinea Bissau, Mali, Mauritania, Niger, Nigeria, and Senegal)"

The 2nd phase of the JI funded by DG INTPA under the NDICI started in November 2021 and is ending early 2023.\*

### OBJECTIVE I Protection and AVRR:

"Improve PROTECTION , provide assistance and enable the assisted VOLUNTARY RETURN of vulnerable and stranded migrants"

ASSISTANCE TO VOLUNTARY RETURN (AVR): Migrants who want to return will receive AVR assistance in the form of pre departure counselling, travel allowance and transportation. They will also receive immediate assistance upon arrival.

### OBJECTIVE II Reintegration

"Improve the REINTEGRATION of returning migrants and strengthen national structures and capacities in terms of managing reintegration in a dignified and sustainable manner"

REINTEGRATION ACTIVITIES: Following counseling and individual orientation of returnees, reintegration assistance is provided. The assistance can be individual, collective, or community-wide as appropriate. Evaluations are carried out in order to monitor and assess the success of these activities.

Read Document, Joint Initiative's Framework SOPs on AVRR, e.g., p. 14

Global to-do

Formatting

- Add section numbers