# Amanda MSc RCodes

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#Important please read: The R codes within this document are for my (Amanda Yee) Master of Science thesis at McGill University. Although the codes are being made publicly available for the purpose of transparency and reproducibility, my thesis committee and I would like to:

- 1. Provide the APA citation to my thesis: Yee, A. (2023). [Master of Science Thesis, McGill University]. ProQuest Dissertations Publishing.
- Make reference to the default random forest codes CHAt were used in my analysis: Liaw, A., & Wiener, M. (2022). Package 'randomForest' (pp. 1–29). https://cran.r-project.org/web/packages/randomForest/randomForest.pdf (https://cran.r-project.org/web/packages/randomForest/randomForest.pdf)

#### #Reading data

```
LegerData<-read.csv("C:/Users/Amanda Yee/Documents/School/McGill_McGill_Master/McGill_MSc_Thesis/McGill_MSc Thesis_Data Anal
ysis/Leger_CompleteData_201/Leger_SurveyData_201_secured/Leger_SurveyData_201_text_csv UTF.csv", encoding="UTF-8", header =
T)</pre>
```

#### #Checking if it is a data frame

```
is.data.frame(LegerData)

## [1] TRUE
```

#### #Selecting the demographic/care giving/Al-related variables & constructs

### #Creating the data frame using those selected variables and constructs

```
LegerData.vari<-LegerData[Demog]
```

#### #Creating a new data frame with the renamed variables

```
names(LegerData.vari)
```

```
"Q3"
                                        "Q4"
                                                        "Q5"
## [1] "OLANG"
                                                        "Q7"
                        "Q6"
## [5] "Q5r96oe"
                                        "Q6r96oe"
                       "Q8r2"
                                                        "Q8r4"
## [9] "Q8r1"
                                        "Q8r3"
## [13] "Q8r5"
                       "08r96"
                                        "Q8r96oe"
                                                        "09r1"
                        "Q9r3"
                                                        "Q9r96oe"
## [17] "Q9r2"
                                        "09r96"
## [21] "Q10"
                       "011"
                                        "012"
                                                        "013r1"
## [25] "Q13r2"
                       "Q13r3"
                                        "Q13r4"
                                                        "Q13r5"
## [29] "Q13r6"
                       "Q13r7"
                                        "Q13r96"
                                                        "Q13r96oe"
                       "PastExAIr1"
                                        "PastExAIr2"
## [33] "UsedAI"
                                                        "PastExAIr3"
## [37] "PastExAIr96" "PastExAIr96oe" "AIKnowledge"
                                                       "PEr1"
## [41] "PEr2"
                       "PFr3"
                                        "PFr4"
                                                        "PFr5"
## [45] "PEr6"
                       "EEr1"
                                        "EEr2"
                                                        "EEr3"
## [49] "EEr4"
                       "EEr5"
                                       "SIr1"
                                                       "SIr2"
## [53] "SIr3"
                       "FCr1"
                                       "FCr2"
                                                        "TAr1"
                       "TAr3"
                                        "TAr4"
                                                        "PTr1"
## [57] "TAr2"
## [61] "PTr2"
                       "PTr3"
                                        "PCr1"
                                                        "PCr2"
## [65] "EAr1"
                       "EAr2"
                                       "EAr3"
                                                        "EAr4"
## [69] "BIr1"
                       "BIr2"
                                        "BIr3"
```

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
## filter, lag
```

```
## The following objects are masked from 'package:base':
##
## intersect, setdiff, setequal, union
```

```
LG.vari.renamed<-rename(LegerData.vari,
                             "Survey's Language" = "QLANG",
                             "Age" = "Q3",
                             "Gender" = "Q4"
                             "Education" = "Q5",
                             "Responses to Education" = "Q5r96oe",
                             "Employment" = "Q6",
                             "Responses to Employment" = "Q6r96oe",
                             "Years Lived in Canada" = "Q7",
                             "Relationship to care recipient - child" = "Q8r1",
                             "Relationship to care recipient - grandchild" = "Q8r2",
                             "Relationship to care recipient - spouse" = "Q8r3",
                             "Relationship to care recipient - sibiling" = "Q8r4",
                             "Relationship to care recipient - friend" = "Q8r5",
                             "Relationship to care recipient - other" = "Q8r96",
                             "Responses to relationship to care recipient" = "Q8r96oe",
                             "Living arrangement - living with the family caregiver" = "Q9r1",
                             "Living arrangement - living independently in one's own home" = "Q9r2",
                             "Living arrangement - living in long-term care/nursing home/residential home" = "Q9r3",
                             "Living arrangement - other" = "Q9r96",
                             "Responses to living arrangement" = "Q9r96oe",
                             "Number of older adults the family caregiver is caring for" = "Q10",
                             "Number of years the family caregiver has been a caregiver" = "Q11",
                             "Estimated number of hours of care per week provided by the family caregiver" = "Q12",
                             "Tasks family caregivers perform - Medical/nursing care" = "Q13r1",
                             "Tasks family caregivers perform - Care coordinator" = "Q13r2",
                             "Tasks family caregivers perform - Psychosocial care" = "Q13r3",
                             "Tasks family caregivers perform - Daily living activities" = "Q13r4",
                             "Tasks family caregivers perform - Household tasks" = "Q13r5",
                             "Tasks family caregivers perform - Transportation" = "Q13r6",
                             "Tasks family caregivers perform - Substitute decision-maker" = "Q13r7",
                             "Tasks family caregivers perform - Other" = "Q13r96",
                             "Responses to the tasks family caregivers perform" = "Q13r96oe",
                             "Family caregivers past AI experience" = "UsedAI",
                             "AI technology family caregivers have used before - AI-based wearable devices" = "PastExAIr1",
                             "AI technology family caregivers have used before - AI-based assistive technology" = "PastExAIr
2",
                             "AI technology family caregivers have used before - AI-based chatbots/virtual assistants" = "Pa
stExAIr3".
                             "AI technology family caregivers have used before - Other" = "PastExAIr96",
                             "Responses to AI technology family caregivers have used before" = "PastExAIr96oe",
                             "Family caregivers' knowledge about AI" = "AIKnowledge")
```

#### **#SURVEY'S LANGUAGE**

##Converting from character into factor

```
LG.vari.renamed$`Survey's Language`<-factor(LG.vari.renamed$`Survey's Language`, levels=c("Français / French", "English / Anglais"))
```

#### #GENDER

##Converting from character into factor

```
LG.vari.renamed$Gender<-factor(LG.vari.renamed$Gender,levels=c("Woman", "Man"))
```

### **#EDUCATION**

##Converting from character into factor

```
LG.vari.renamed$Education<-factor(LG.vari.renamed$Education, levels=c("Elementary", "High school", "College / CEGEP", "Under graduate", "Post-graduate (e.g., Masters, Ph.D.)", "Other, please specify"))
LG.vari.renamed$`Responses to Education`<-factor(LG.vari.renamed$`Responses to Education`)
```

#### #EMPLOYMENT

##Converting from character into factor

##A new level for employment ("full-time caregiver") was created for participants who put a text response related to being a caregiver. As a result, some participants text responses were re-coded into the newly created level.

```
LG.vari.renamed$Employment<-factor(LG.vari.renamed$Employment,levels=c("Full-time","Part-time","Unemployed", "Retired", "Full-time caregiver","Other, please specify"))
LG.vari.renamed$`Responses to Employment`<-factor(LG.vari.renamed$`Responses to Employment`)
LG.vari.renamed$Employment[which(LG.vari.renamed$Employment=="Other, please specify"&LG.vari.renamed$`Responses to Employment
t`%in%c("aidant naturel à temps plein", "Aidant Naturel"))]<- "Full-time caregiver"
```

##Some participants' text response was re-coded as 'unemployed'

```
LG.vari.renamed$Employment[which(LG.vari.renamed$Employment=="Other, please specify"&LG.vari.renamed$`Responses to Employment`%in%c("Invalide", "Retour aux études"))]<- "Unemployed"
```

##Among the text responses CHAt were re-coded, we removed their text responses from the 'response' column

```
LG.vari.renamed$`Responses to Employment`[which(LG.vari.renamed$`Responses to Employment`%in%c("aidant naturel à temps plei n", "Aidant Naturel", "Invalide", "Retour aux études"))]<- ""
```

#### #RELATIONSHIP to the care recipient

##Converting from character into factor

```
LG.vari.renamed$`Relationship to care recipient - child`<-factor(LG.vari.renamed$`Relationship to care recipient - child`, l evels=c("Child", "NO TO: Child"))

LG.vari.renamed$`Relationship to care recipient - grandchild`<-factor(LG.vari.renamed$`Relationship to care recipient - grandchild`, levels=c("Grandchild","NO TO: Grandchild"))

LG.vari.renamed$`Relationship to care recipient - spouse`<- factor(LG.vari.renamed$`Relationship to care recipient - spouse`, levels = c("Spouse", "NO TO: Spouse"))

LG.vari.renamed$`Relationship to care recipient - sibiling`<- factor(LG.vari.renamed$`Relationship to care recipient - sibiling`<- factor(LG.vari.renamed$`Relationship to care recipient - friend`<- factor (LG.vari.renamed$`Relationship to care recipient - friend`
',levels=c("Friend", "NO TO: Friend"))

LG.vari.renamed$`Relationship to care recipient - other`<-factor (LG.vari.renamed$`Relationship to care recipient - other`,levels=c("Other, please specify", "NO TO: Other, please specify"))

LG.vari.renamed$`Responses to relationship to care recipient`<-factor(LG.vari.renamed$`Responses to relationship to care recipient`<-fact
```

##Some participant's text response related to them caring for their parents/mother/father and the equivalent terms in French was re-coded from 'other, please specify' to 'child' as the participant are the child to their mother/father, who is the care recipient. Then, those participants' 'other, please specify' responses will not be applicable, so it was re-coded to reflect 'NO TO: Other, please specify'

```
LG.vari.renamed$`Relationship to care recipient - child`[which(LG.vari.renamed$`Relationship to care recipient - other`=="Other, please specify"&

LG.vari.renamed$`Responses to relationship to care recipient think("father", "ma mere", "mere", "mere", "mère", "mère", "mother", "mother", "mother", "parent", "parents", "parents", "parents", "parents Père et Mere",

"pere", "Pere", "père", "père", "père"))]<-"Child"

LG.vari.renamed$`Relationship to care recipient - other`[which(LG.vari.renamed$`Relationship to care recipient - other`=="Other, please specify"&

LG.vari.renamed$`Responses to relationship to care recipient think("father", "ma mere", "mere", "mère", "mère", "mother", "mother", "mother", "mother", "parent", "parents", "parents",
```

##One participant's text response was re-coded to the response option of 'sibling'. Then, their 'other, please specify' response will not be applicable so it was re-coded to 'NO TO: Other, please specify'

```
LG.vari.renamed$`Relationship to care recipient - sibiling`[which(LG.vari.renamed$`Relationship to care recipient - other`=
="Other, please specify"&

LG.vari.renamed$`Responses to relationship to care recipien
nt`%in%c("brother"))]<-"Sibiling"

LG.vari.renamed$`Relationship to care recipient - other`[which(LG.vari.renamed$`Relationship to care recipient - other`=="Other, please specify"&

LG.vari.renamed$`Responses to relationship to care recipient
`%in%c("brother"))]<-"NO TO: Other, please specify"
```

##One participant's text response was re-coded to the response option of 'grandchild'. Then their 'other, please specify' response will not be applicable so it was re-coded to 'NO TO: Other, please specify'

```
LG.vari.renamed$`Relationship to care recipient - grandchild`[which(LG.vari.renamed$`Relationship to care recipient - other`
=="Other, please specify"&

LG.vari.renamed$`Responses to relationship to care recipient '%in%c("grand mere"))]<-"Grandchild"

LG.vari.renamed$`Relationship to care recipient - other`[which(LG.vari.renamed$`Relationship to care recipient - other`=="Other, please specify"&

LG.vari.renamed$`Responses to relationship to care recipient

`%in%c("grand mere"))]<-"NO TO: Other, please specify"
```

### #LIVING ARRANGEMENT of the care recipient

##Converting from character into factor

```
LG.vari.renamed$`Living arrangement - living with the family caregiver`<-factor(LG.vari.renamed$`Living arrangement - living with the family caregiver", "NO TO: Living with the family caregiver"))

LG.vari.renamed$`Living arrangement - living independently in one's own home`<-factor(LG.vari.renamed$`Living arrangement - living independently in one's own home`,

levels=c("Living independently in one's own home"))

LG.vari.renamed$`Living arrangement - living in long-term care/nursing home/residential home`<-factor(LG.vari.renamed$`Living arrangement - living in long-term care/nursing home/residential home`,

levels=c("Living in long-term care/nursing home/residential home`))

LG.vari.renamed$`Living arrangement - other`<-factor(LG.vari.renamed$`Living arrangement - other`,levels=c("Other, please specify", "NO TO: Other, please specify"))

LG.vari.renamed$`Responses to living arrangement`<-factor(LG.vari.renamed$`Responses to living arrangement`)
```

##Some participants' text response was re-coded to the response option of 'living with the family caregiver'. Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify'.

```
LG.vari.renamed$`Living arrangement - living with the family caregiver`[which(LG.vari.renamed$`Living arrangement - other`=
="Other, please specify"&

LG.vari.renamed$`Responses to living arrangemen
nt`%in%c("Living with another family member", "Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin"))]<-"Living with
the family caregiver"

LG.vari.renamed$`Living arrangement - other`[which (LG.vari.renamed$`Living arrangement - other`=="Other, please specify"&

LG.vari.renamed$`Responses to living arrangement`%in%c("Living with another family member", "Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin"))]<-"NO TO: Other, please specify"
```

##One participant's text response can be re-coded to the response option of 'living independently in one's own home'. Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify'

```
LG.vari.renamed$`Living arrangement - living independently in one's own home`[which(LG.vari.renamed$`Living arrangement - ot her`=="Other, please specify"&

LG.vari.renamed$`Responses to living arrangement`%in%c("Vit dans sa maison avec son mari"))]<-"Living independently in one's own home"

LG.vari.renamed$`Living arrangement - other`[which(LG.vari.renamed$`Living arrangement - other`=="Other, please specify"&

LG.vari.renamed$`Responses to living arrangement`%in%c("Vit dans sa mai son avec son mari"))]<-"NO TO: Other, please specify"
```

### #NUMBER OF OLDER ADULTS THE FAMILY CAREGIVER IS CARING FOR

##Converting from character into factor

LG.vari.renamed\$`Number of older adults the family caregiver is caring for`<-factor(LG.vari.renamed\$`Number of older adults the family caregiver is caring for`,

levels=c("1", "2", "3", "4 or more"))

### **#TASKS FAMILY CAREGIVER PERFORMS**

##Converting from character into factor

```
LG.vari.renamed$`Tasks family caregivers perform - Medical/nursing care`<-factor(LG.vari.renamed$`Tasks family caregivers pe
rform - Medical/nursing care`,
                                                                                                                                        levels=c("Medical/nursing care (e.g., opera
ting medical equipment like a catheter, providing wound care, assisting with medications/injections)"
                                                                                                                                                        "NO TO: Medical/nursing care (e.
g., operating medical equipment like a catheter, providing wound care, assisting with medications/injections)"))
LG.vari.renamed$`Tasks family caregivers perform - Care coordinator`<-factor(LG.vari.renamed$`Tasks family caregivers perfor
m - Care coordinator`.
                                                                                                                                 levels=c("Care coordinator (e.g., communicate w
ith healthcare providers, translator, schedule appointments)",
                                                                                                                                                 "NO TO: Care coordinator (e.g., commun
icate with healthcare providers, translator, schedule appointments)"))
LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor (LG. vari.renamed \$`Tasks\ family\ caregivers\ perform\ -\ Psychosocial\ care`<-factor -\ Psycho
rm - Psychosocial care`,
                                                                                                                                   levels=c("Psychosocial care (e.g., emotional s
upport, companionship)","NO TO: Psychosocial care (e.g., emotional support, companionship)"))
LG.vari.renamed$`Tasks family caregivers perform - Daily living activities`<-factor(LG.vari.renamed$`Tasks family caregivers
perform - Daily living activities`,
                                                                                                                                             levels=c("Daily living activities (e.g.,
dressing, feeding, toileting, transferring)",
                                                                                                                                                             "NO TO: Daily living activities
(e.g., dressing, feeding, toileting, transferring)"))
LG.vari.renamed$`Tasks family caregivers perform - Household tasks`<-factor(LG.vari.renamed$`Tasks family caregivers perform
- Household tasks`,
                                                                                                                                levels=c("Household tasks (e.g., home maintenanc
e, grocery shopping, laundry)",
                                                                                                                                               "NO TO: Household tasks (e.g., home mai
ntenance, grocery shopping, laundry)"))
LG.vari.renamed$`Tasks family caregivers perform - Transportation`<-factor (LG.vari.renamed$`Tasks family caregivers perform
- Transportation`,
                                                                                                                                levels=c("Transportation (e.g., driving the olde
r adult to appointments)",
                                                                                                                                               "NO TO: Transportation (e.g., driving t
he older adult to appointments)"))
LG.vari.renamed$`Tasks family caregivers perform - Substitute decision-maker`<-factor(LG.vari.renamed$`Tasks family caregive
rs perform - Substitute decision-maker`,
                                                                                                                                                 levels=c("Substitute decision-maker
(e.g., making health, legal and financial decisions on behalf of the older care recipient who is unable to)",
                                                                                                                                                                "NO TO: Substitute decision-m
aker (e.g., making health, legal and financial decisions on behalf of the older care recipient who is unable to)"))
LG.vari.renamed$`Tasks family caregivers perform - Other`<-factor(LG.vari.renamed$`Tasks family caregivers perform - Other`,
                                                                                                               levels=c("Other, please specify", "NO TO: Other, please sp
LG.vari.renamed$`Responses to the tasks family caregivers perform`<-factor(LG.vari.renamed$`Responses to the tasks family ca
regivers perform`)
```

##One participant's text response was re-coded to the response option of 'care coordinator (e.g., communicate with healthcare providers, translator, schedule appointments)'. Then, their 'other, please specify' response will not be applicable so it was re-coded to 'NO TO: Other, please specify'.

```
LG.vari.renamed$`Tasks family caregivers perform - Care coordinator`[which(LG.vari.renamed$`Tasks family caregivers perform - Other`=="Other, please specify"&

LG.vari.renamed$`Responses to the tasks family caregivers perform`%in%c

("Moi vas son médecin avec elle et si besoin de qu oi se soie moi téléphone pour elle"))]<-"Care coordinator (e.g., communicate with healthcare providers, translator, schedule appointments)"

LG.vari.renamed$`Tasks family caregivers perform - Other`[which(LG.vari.renamed$`Tasks family caregivers perform - Other`= ="Other, please specify"&

LG.vari.renamed$`Responses to the tasks family caregivers perform '%in%c

("Moi vas son médecin avec elle et si besoin de quoi se soie moi téléphone pour elle"))] <-"NO TO: Other, please specify"
```

##Some participants' text response was re-coded to the response option of 'daily living activities (e.g., dressing, feeding, toileting, transferring)'. Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify'.

```
LG.vari.renamed$`Tasks family caregivers perform - Daily living activities`[which(LG.vari.renamed$`Tasks family caregivers p erform - Other`=="Other, please specify"&

LG.vari.renamed$`Responses to the tasks family caregivers perform`%in%c

("ramasser de la merde et laver mettre des couche s", "surveillance immédiate maison intergénérationelle"))]<- "Daily living activities (e.g., dressing, feeding, toileting, t ransferring)"

LG.vari.renamed$`Tasks family caregivers perform - Other`[which(LG.vari.renamed$`Tasks family caregivers perform - Other`= = "Other, please specify"&

LG.vari.renamed$`Responses to the tasks family caregivers perform `%in%c

("ramasser de la merde et laver mettre des couches", "survei llance immédiate maison intergénérationelle"))] <-"NO TO: Other, please specify"
```

##One participant's text response was re-coded to the response option of 'household tasks (e.g., home maintenance, grocery shopping, laundry)'. Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify'.

```
LG.vari.renamed$`Tasks family caregivers perform - Household tasks`[which(LG.vari.renamed$`Tasks family caregivers perform - Other`=="Other, please specify"&

LG.vari.renamed$`Responses to the tasks family caregivers perform`%in%c("Épicerie"))]<- "Household tasks (e.g., home maintenance, grocery shopping, laundry)"

LG.vari.renamed$`Tasks family caregivers perform - Other`[which(LG.vari.renamed$`Tasks family caregivers perform - Other`= = "Other, please specify"&

LG.vari.renamed$`Responses to the tasks family caregivers perform`%in%c

("Épicerie"))] <-"NO TO: Other, please specify"
```

##Among those text responses CHAt were re-coded, we removed their text responses from the 'response' column

```
LG.vari.renamed$`Responses to the tasks family caregivers perform`[which(LG.vari.renamed$`Responses to the tasks family care givers perform`%in%c("Moi vas son médecin avec elle et si besoin de quoi se soie moi téléphone pour elle",

"ramasser de la merde et laver mettre des couches", "surveillance immédiate maison intergénérationelle",

"Épicerie"))]<-""
```

#### **#PAST AI EXPERIENCE**

##Converting from character into factor

LG.vari.renamed\$`Family caregivers past AI experience`<-factor(LG.vari.renamed\$`Family caregivers past AI experience`, level s=c("Yes", "No"))

#### **#AI TECH USED BEFORE**

##Converting from character into factor

```
LG.vari.renamed$`AI technology family caregivers have used before - AI-based wearable devices`<-factor(LG.vari.renamed$`AI t
echnology family caregivers have used before - AI-based wearable devices',
                                                                                                       levels=c("AI-based we
arable devices", "NO TO: AI-based wearable devices"))
LG.vari.renamed$`AI technology family caregivers have used before - AI-based assistive technology`<-factor(LG.vari.renamed$`
AI technology family caregivers have used before - AI-based assistive technology,
                                                                                                           level=c("AI-based
assistive technology", "NO TO: AI-based assistive technology"))
LG.vari.renamed$`AI technology family caregivers have used before - AI-based chatbots/virtual assistants`<-factor(LG.vari.re
named$`AI technology family caregivers have used before - AI-based chatbots/virtual assistants`,
                                                                                                                  levels=c
("AI-based chatbots/virtual assistants", "NO TO: AI-based chatbots/virtual assistants"))
LG.vari.renamed$`AI technology family caregivers have used before - Other`<-factor(LG.vari.renamed$`AI technology family car
egivers have used before - Other',
                                                                                   levels=c("Other, please specify", "NO TO:
Other, please specify"))
LG.vari.renamed$`Responses to AI technology family caregivers have used before`<-factor(LG.vari.renamed$`Responses to AI tec
hnology family caregivers have used before`)
```

##One participant's text response was re-coded to the response option of 'Al-based wearable devices'. Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify'.

```
LG.vari.renamed$`AI technology family caregivers have used before - AI-based wearable devices`[which(LG.vari.renamed$`AI technology family caregivers have used before - Other`=="Other, please specify"&

LG.vari.renamed$`Respons
es to AI technology family caregivers have used before`%in%c("Dexcom suivi diabète"))]<- "AI-based wearable devices"

LG.vari.renamed$`AI technology family caregivers have used before - Other`[which(LG.vari.renamed$`AI technology family caregivers have used before - Other`e="Other, please specify"&

LG.vari.renamed$`Responses to AI technology family caregivers have used before `%in%c("Dexcom suivi diabète"))]<- "NO TO: Other, please specify"
```

##One participant's text response was not clear ("Ca"), thus their response to the previous question regarding if they had past experience with AI was re-coded to 'No' (instead of 'yes' given the lack of clarity to her text response). As such, their text response to the question about which AI they have used was removed.

```
LG.vari.renamed$`Family caregivers past AI experience`[which(LG.vari.renamed$`AI technology family caregivers have used befo
re - Other`=="Other, please specify"&
                                                             LG.vari.renamed$`Responses to AI technology family caregivers h
ave used before`%in%c("Ca"))]<- "No"
LG.vari.renamed$`AI technology family caregivers have used before - AI-based wearable devices`[which(LG.vari.renamed$`AI tec
hnology family caregivers have used before - Other = "Other, please specify"&
                                                                                                      LG.vari.renamed$`Respon
ses to AI technology family caregivers have used before \hat{n}_{c}(\text{"Ca"})) < - \text{""}
LG.vari.renamed$`AI technology family caregivers have used before - AI-based assistive technology`[which(LG.vari.renamed$`AI
technology family caregivers have used before - Other == "Other, please specify"&
                                                                                                          LG.vari.renamed$`Re
sponses to AI technology family caregivers have used before `%in%c("Ca"))]<- ""
LG.vari.renamed$`AI technology family caregivers have used before - AI-based chatbots/virtual assistants`[which(LG.vari.rena
med$`AI technology family caregivers have used before - Other`=="Other, please specify"&
                                                                                                                   LG.vari.re
named\Responses to AI technology family caregivers have used before \in\c("Ca"))]<- ""
LG.vari.renamed$`AI technology family caregivers have used before - Other`[which(LG.vari.renamed$`AI technology family careg
ivers have used before - Other == "Other, please specify"&
                                                                                    LG.vari.renamed$`Responses to AI technolo
gy family caregivers have used before `%in%c("Ca"))]<- ""
```

##Among those text responses CHAt were re-coded, we removed their text responses from the 'response' column

LG.vari.renamed\$`Responses to AI technology family caregivers have used before`[which(LG.vari.renamed\$`Responses to AI technology family caregivers have used before`%in%c("Dexcom suivi diabète", "Ca"))]<-""

#### #AI KNOWLEDGE

##Converting from character into factor

```
LG.vari.renamed$`Family caregivers' knowledge about AI`<-factor(LG.vari.renamed$`Family caregivers' knowledge about AI`,

levels=c("Not knowledgeable", "Somewhat knowledgeable",

"Moderately knowledgeable", "Extremely knowledgeable
e"))
```

#### #Performance Expectancy construct's items - Converting from character into factor

```
LG.vari.renamed$PEr1<-factor(LG.vari.renamed$PEr1, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$PEr2<-factor(LG.vari.renamed$PEr2, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$PEr3<-factor(LG.vari.renamed$PEr3, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$PEr4<-factor(LG.vari.renamed$PEr4, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$PEr5<-factor(LG.vari.renamed$PEr5, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$PEr6<-factor(LG.vari.renamed$PEr6, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
```

#### #Effort Expectancy construct's items - Converting from character into factor

```
LG.vari.renamed$EEr1<-factor(LG.vari.renamed$EEr1, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$EEr2<-factor(LG.vari.renamed$EEr2, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$EEr3<-factor(LG.vari.renamed$EEr3, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$EEr4<-factor(LG.vari.renamed$EEr4, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$EEr5<-factor(LG.vari.renamed$EEr5, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
```

### #Social Influence construct's items - Converting from character into factor

```
LG.vari.renamed$SIr1<-factor(LG.vari.renamed$SIr1, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$SIr2<-factor(LG.vari.renamed$SIr2, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$SIr3<-factor(LG.vari.renamed$SIr3, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
```

#### #Facilitating Conditions construct's items - Converting from character into factor

```
LG.vari.renamed$FCr1<-factor(LG.vari.renamed$FCr1, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
LG.vari.renamed$FCr2<-factor(LG.vari.renamed$FCr2, levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I don't know"))
```

#### #Technology Anxiety construct's items - Converting from character into factor

```
LG.vari.renamed$TAr1<-factor(LG.vari.renamed$TAr1,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$TAr2<-factor(LG.vari.renamed$TAr2,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$TAr3<-factor(LG.vari.renamed$TAr3,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$TAr4<-factor(LG.vari.renamed$TAr4,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))
```

#### #Perceived Trust construct's items - Converting from character into factor

```
LG.vari.renamed$PTr1<-factor(LG.vari.renamed$PTr1,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$PTr2<-factor(LG.vari.renamed$PTr2,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$PTr3<-factor(LG.vari.renamed$PTr3,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))
```

#### #Perceived Cost construct's items - Converting from character into factor

```
LG.vari.renamed$PCr1<-factor(LG.vari.renamed$PCr1,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$PCr2<-factor(LG.vari.renamed$PCr2,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))
```

### #Expert Advice construct's items - Converting from character into factor

```
LG.vari.renamed$EAr1<-factor(LG.vari.renamed$EAr1,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$EAr2<-factor(LG.vari.renamed$EAr2,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$EAr3<-factor(LG.vari.renamed$EAr3,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$EAr4<-factor(LG.vari.renamed$EAr4,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))
```

#### #Behavioral Intention construct's items - Converting from character into factor

```
LG.vari.renamed$BIr1<-factor(LG.vari.renamed$BIr1,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$BIr2<-factor(LG.vari.renamed$BIr2,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))

LG.vari.renamed$BIr3<-factor(LG.vari.renamed$BIr3,levels=c ("Strongly Disagree", "Disagree", "Agree", "Strongly Agree", "I d on't know"))
```

#Adding new columns. Based on participant's text response, we inserted two new column/response option as shown below:

### ##Relationship to care recipient

###Create new column and convert it from character to factor

```
library(tibble)
LG.variRN.C1<- add_column(LG.vari.renamed, "Relationship to care recipient - Neighbour" = "NO TO: Neighbour", .after="Relatio
nship to care recipient - friend")
LG.variRN.C1$ Relationship to care recipient - Neighbour <-factor(LG.variRN.C1$ Relationship to care recipient - Neighbour ,
levels=c("Neighbour", "NO TO: Neighbour"))</pre>
```

###One participants text responses related to being the neighbour to the care recipient will be re-coded from "NO TO: Neighbour" to "Neighbour". Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify'.

```
LG.variRN.C1$`Relationship to care recipient - Neighbour`[which(LG.vari.renamed$`Relationship to care recipient - other`=="0 ther, please specify"&

LG.variRN.C1$`Responses to relationship to care recipient`%i
n%c("une voisine"))]<- "Neighbour"

LG.variRN.C1$`Relationship to care recipient - other`[which(LG.vari.renamed$`Relationship to care recipient - other`=="0the r, please specify"&

LG.variRN.C1$`Responses to relationship to care recipient`%in% c("une voisine"))]<- "NO TO: Other, please specify"
```

###All relationship-related text responses CHAt were re-coded from the above lines of codes, including the ones near the beginning of the R script, we removed their text responses from the 'response' column

```
LG.variRN.C1$`Responses to relationship to care recipient`[which(LG.variRN.C1$`Responses to relationship to care recipient`% in%c ("father", "ma mere", "mere", "mere", "mère", "mother", "Mother", "parent", "parents", "parents", "Parents Père et Mere", "pere", "père", "père", "père", "brother", "grand mère", "une voisine"))]<-""
```

### ##Living arrangement of care recipient

```
LG.variRN.C2<-add_column(LG.variRN.C1, "Living arrangement - RPA or equivalent" = "NO TO: RPA or equivalent", .after="Living arrangement - living in long-term care/nursing home/residential home")

LG.variRN.C2$`Living arrangement - RPA or equivalent`<-factor(LG.variRN.C2$`Living arrangement - RPA or equivalent`, levels=
c("RPA or equivalent", "NO TO: RPA or equivalent"))
```

###Some participants text responses related to RPA or equivalent living arrangements of the care recipient will be re-coded from "NO TO: RPA or equivalent" to "RPA or equivalent". Then, their 'other, please specify' responses will not be applicable so it was re-coded to 'NO TO: Other, please specify' specify'

```
LG.variRN.C2$`Living arrangement - RPA or equivalent`[which(LG.variRN.C2$`Living arrangement - other`=="Other, please specify"&

LG.variRN.C2$`Responses to living arrangement`%in%c("Habitent da ns logement loué de façon semi-Autonome", "Logement personnel dans une rpa", "Logement semi autonome", "RPA",

"RPA avec pl usieurs services", "RPA en milieu familial", "RPA semi-autonome"))]<-"RPA or equivalent"

LG.variRN.C2$`Living arrangement - other`[which(LG.variRN.C2$`Living arrangement - other`=="Other, please specify"&

LG.variRN.C2$`Responses to living arrangement`%in%c("Habitent dans logement loué de façon semi-Autonome", "Logement personnel dans une rpa", "Logement semi autonome", "RPA",

"RPA avec plusieurs service
s", "RPA en milieu familial", "RPA semi-autonome"))]<-"NO TO: Other, please specify"
```

###All living arrangement text responses CHAt were re-coded from the above lines of codes, including the ones near the beginning of the R script, we removed their text responses from the 'response' column

```
LG.variRN.C2$`Responses to living arrangement`[which(LG.variRN.C2$`Responses to living arrangement`%in%c("Living with anothe r family member", "Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin",

"Vit dans sa maison avec son mari", "Habitent dans logement loué de façon semi-Autonome", "Logement personnel dans une rpa", "Logement semi auto nome", "RPA",

"RPA avec plusieurs services", "RPA en milieu familial", "RPA semi-autonome"))]<-""
```

**#Removing a data point and replace it with NA(missing data)**, because a participant's numerical response to how many hours of care they spend per week was '800'. This does not make sense as there is only 168 hours within a week.

```
LG.variRN.C2$`Estimated number of hours of care per week provided by the family caregiver`[147]<-NA
```

#Removed participants row number #146 (age:33) & #86 (age:44). They do not meet eligibility, which is having an age between 45-64.

```
ELIG.variRNC2<-LG.variRN.C2[-c(146,86),]
```

#Given CHAt two rows were removed, we readjusted the row numbering

```
rownames(ELIG.variRNC2) = seq(length=nrow(ELIG.variRNC2))
```

### #Create table of demographic/caregiving/Al-realted variables

units, units<-

```
library(table1)
```

```
## Attaching package: 'table1'

## The following objects are masked from 'package:base':
##
##
```

```
table1(~., ELIG.variRNC2)
```

	Overall (N=199)
Survey's Language	
Français / French	173 (86.9%)
English / Anglais	26 (13.1%)
Age	
Mean (SD)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]
Gender	
Woman	128 (64.3%)
Man	71 (35.7%)
Education	
Elementary	1 (0.5%)
High school	44 (22.1%)
College / CEGEP	82 (41.2%)

	Overall (N=199)
Undergraduate	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	22 (11.1%)
Other, please specify	2 (1.0%)
Responses to Education	
	197 (99.0%)
Cours technique	1 (0.5%)
École de métier	1 (0.5%)
Employment	
Full-time	88 (44.2%)
Part-time	23 (11.6%)
Unemployed	15 (7.5%)
Retired	65 (32.7%)
Full-time caregiver	2 (1.0%)
Other, please specify	6 (3.0%)
Responses to Employment	
	193 (97.0%)
À la maison	1 (0.5%)
Aidant Naturel	0 (0%)
aidant naturel à temps plein	0 (0%)
at home	1 (0.5%)
Homemaker	1 (0.5%)
Invalide	0 (0%)
Retour aux études	0 (0%)
Travailleur autonome	1 (0.5%)
Travailleurs autonomes	1 (0.5%)
travailleuse autonome	1 (0.5%)
Years Lived in Canada	
Mean (SD)	55.3 (9.07)
Median [Min, Max]	57.0 [7.00, 64.0]
Relationship to care recipient - child	
Child	140 (70.4%)
NO TO: Child	59 (29.6%)
Relationship to care recipient - grandchild	
Grandchild	2 (1.0%)
NO TO: Grandchild	197 (99.0%)
Relationship to care recipient - spouse	00 (10 10)
Spouse	20 (10.1%)
NO TO: Spouse	179 (89.9%)
Relationship to care recipient - sibiling	44 (7.00)
Sibling	14 (7.0%)
NO TO: Sibling	185 (93.0%)
Relationship to care recipient - friend	40 (0.0%)
Friend	12 (6.0%)
NO TO: Friend	187 (94.0%)
Relationship to care recipient - Neighbour	4 (9.5%)
Neighbour	1 (0.5%)
NO TO: Neighbour	198 (99.5%)
Relationship to care recipient - other	
Other, please specify	12 (6.0%)
NO TO: Other, please specify	187 (94.0%)
Responses to relationship to care recipient	407 (04 00)
	187 (94.0%)
beau frere	1 (0.5%)
beau père	1 (0.5%)
Belle-mere	1 (0.5%)
Belle-mère	3 (1.5%)
belle-mère et beau-père	1 (0.5%)
brother	0 (0%)
Conjointe de fait	1 (0.5%)
Daughter in law	1 (0.5%)
father	0 (0%)

	Overall
	(N=199)
gendre	1 (0.5%)
Gendre	1 (0.5%)
grand mère ma mere	0 (0%) 0 (0%)
ma mere	0 (0%)
Mere	0 (0%)
mère	0 (0%)
Mère	0 (0%)
mother	0 (0%)
Mother	0 (0%)
parent	0 (0%)
Parent	0 (0%)
parents	0 (0%)
Parents	0 (0%)
Parents Père et Mere	0 (0%)
pere	0 (0%)
Pere	0 (0%)
père	0 (0%)
Père	0 (0%)
Tante	1 (0.5%)
une voisine	0 (0%)
Living arrangement - living with the family caregiver	
Living with the family caregiver	68 (34.2%)
NO TO: Living with the family caregiver	131 (65.8%)
Living arrangement - living independently in one's own home	
Living independently in one's own home	83 (41.7%)
NO TO: Living independently in one's own home	116 (58.3%)
Living arrangement - living in long-term care/nursing home/residential home	45 (00 00()
Living in long-term care/nursing home/residential home	45 (22.6%)
NO TO: Living in long-term care/nursing home/residential home  Living arrangement - RPA or equivalent	154 (77.4%)
RPA or equivalent	8 (4.0%)
NO TO: RPA or equivalent	191 (96.0%)
Living arrangement - other	131 (30.070)
Other, please specify	0 (0%)
NO TO: Other, please specify	199 (100%)
Responses to living arrangement	,
	199 (100%)
Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin	0 (0%)
Habitent dans logement loué de façon semi-Autonome	0 (0%)
Living with another family member	0 (0%)
Logement personnel dans une rpa	0 (0%)
Logement semi autonome	0 (0%)
RPA	0 (0%)
RPA avec plusieurs services	0 (0%)
RPA en milieu familial	0 (0%)
RPA semi-autonome	0 (0%)
Vit dans sa maison avec son mari	0 (0%)
Number of older adults the family caregiver is caring for	
1	167 (83.9%)
2	29 (14.6%)
3	0 (0%)
4 or more	2 (1.0%)
Missing  Number of years the family caregiver has been a caregiver.	1 (0.5%)
Number of years the family caregiver has been a caregiver  Mean (SD)	7.66 (6.94)
Median [Min, Max]	7.66 (6.94) 6.00 [0, 56.0]
Estimated number of hours of care per week provided by the family caregiver	0.00 [0, 30.0]
Mean (SD)	16.1 (19.5)
Median [Min, Max]	10.0 [0, 168]
Missing	1 (0.5%)
	. (/

	Overall (N=199)
Tasks family caregivers perform - Medical/nursing care	
Medical/nursing care (e.g., operating medical equipment like a catheter, providing wound care, assisting with medications/injections)	40 (20.1%)
NO TO: Medical/nursing care (e.g., operating medical equipment like a catheter, providing wound care, assisting with medications/injections)	159 (79.9%)
Tasks family caregivers perform - Care coordinator	
Care coordinator (e.g., communicate with healthcare providers, translator, schedule appointments)	127 (63.8%)
NO TO: Care coordinator (e.g., communicate with healthcare providers, translator, schedule appointments)	72 (36.2%)
Tasks family caregivers perform - Psychosocial care	
Psychosocial care (e.g., emotional support, companionship)	140 (70.4%)
NO TO: Psychosocial care (e.g., emotional support, companionship)	59 (29.6%)
Tasks family caregivers perform - Daily living activities	
Daily living activities (e.g., dressing, feeding, toileting, transferring)	70 (35.2%)
NO TO: Daily living activities (e.g., dressing, feeding, toileting, transferring)	129 (64.8%)
Tasks family caregivers perform - Household tasks	
Household tasks (e.g., home maintenance, grocery shopping, laundry)	142 (71.4%)
NO TO: Household tasks (e.g., home maintenance, grocery shopping, laundry)	57 (28.6%)
Tasks family caregivers perform - Transportation	
Transportation (e.g., driving the older adult to appointments)	133 (66.8%)
NO TO: Transportation (e.g., driving the older adult to appointments)	66 (33.2%)
Tasks family caregivers perform - Substitute decision-maker	
Substitute decision-maker (e.g., making health, legal and financial decisions on behalf of the older care recipient who is unable to)	87 (43.7%)
NO TO: Substitute decision-maker (e.g., making health, legal and financial decisions on behalf of the older care recipient who is unable to)	112 (56.3%)
Tasks family caregivers perform - Other	
Other, please specify	3 (1.5%)
NO TO: Other, please specify	196 (98.5%)
Responses to the tasks family caregivers perform	
	196 (98.5%)
Commissions diverses	1 (0.5%)
Épicerie	0 (0%)
Mémoire	1 (0.5%)
Moi vas son médecin avec elle et si besoin de quoi se soie moi téléphone pour elle	0 (0%)
ramasser de la merde et laver mettre des couches	0 (0%)
Répit	1 (0.5%)
surveillance immédiate maison intergénérationelle	0 (0%)
Family caregivers past AI experience	
Yes	16 (8.0%)
No	183 (92.0%)
Al technology family caregivers have used before - Al-based wearable devices	
Al-based wearable devices	11 (5.5%)
NO TO: Al-based wearable devices	5 (2.5%)
Missing	183 (92.0%)
Al technology family caregivers have used before - Al-based assistive technology	4 (0.00()
Al-based assistive technology	4 (2.0%)
NO TO: Al-based assistive technology	12 (6.0%)
Missing	183 (92.0%)
Al technology family caregivers have used before - Al-based chatbots/virtual assistants	- ////
Al-based chatbots/virtual assistants	2 (1.0%)
NO TO: Al-based chatbots/virtual assistants	14 (7.0%)
Missing	183 (92.0%)
Al technology family caregivers have used before - Other	- (()
Other, please specify	0 (0%)
NO TO: Other, please specify	16 (8.0%)
Missing	183 (92.0%)
Responses to Al technology family caregivers have used before	
	199 (100%)
Ca	0 (0%)
Dexcom suivi diabète	0 (0%)
Family caregivers' knowledge about Al	400 /= : : : : :
Not knowledgeable	109 (54.8%)
Somewhat knowledgeable	46 (23.1%)
Moderately knowledgeable	37 (18.6%)
Extremely knowledgeable	6 (3.0%)

	Overall (N=199)
Missing	1 (0.5%)
PEr1	
Strongly Disagree	5 (2.5%)
Disagree	21 (10.6%)
Agree	91 (45.7%)
Strongly Agree	43 (21.6%)
I don't know	39 (19.6%)
PEr2	
Strongly Disagree	5 (2.5%)
Disagree	25 (12.6%)
Agree	88 (44.2%)
Strongly Agree	43 (21.6%)
I don't know	37 (18.6%)
Missing	1 (0.5%)
PEr3	
Strongly Disagree	8 (4.0%)
Disagree	19 (9.5%)
Agree	87 (43.7%)
Strongly Agree	49 (24.6%)
I don't know	35 (17.6%)
Missing	1 (0.5%)
PEr4	
Strongly Disagree	5 (2.5%)
Disagree	23 (11.6%)
Agree	82 (41.2%)
Strongly Agree	44 (22.1%)
I don't know	44 (22.1%)
Missing	1 (0.5%)
PEr5	
Strongly Disagree	6 (3.0%)
Disagree	16 (8.0%)
Agree	84 (42.2%)
Strongly Agree	56 (28.1%)
I don't know	35 (17.6%)
Missing	2 (1.0%)
PEr6	
Strongly Disagree	5 (2.5%)
Disagree	12 (6.0%)
Agree	85 (42.7%)
Strongly Agree	68 (34.2%)
I don't know	29 (14.6%)
EEr1	
Strongly Disagree	17 (8.5%)
Disagree	50 (25.1%)
Agree	65 (32.7%)
Strongly Agree	14 (7.0%)
I don't know	53 (26.6%)
EEr2	
Strongly Disagree	3 (1.5%)
Disagree	22 (11.1%)
Agree	99 (49.7%)
Strongly Agree	27 (13.6%)
I don't know	47 (23.6%)
Missing	1 (0.5%)
EEr3	
Strongly Disagree	3 (1.5%)
Disagree	19 (9.5%)
Agree	96 (48.2%)
Strongly Agree	40 (20.1%)
I don't know	40 (20.1%)
Missing	1 (0.5%)

		Overall (N=199)
Disagne	EEr4	<u>`</u>
Disagne	Strongly Disagree	12 (6.0%)
Smorply Agene         25 (22 PK)           Mescing         1 (0.55)           Elef         1 (0.55)           Elegene         1 (0.57)           Dicagree         1 (0.57)           Slowiph Aquee         3 (7.5%)           Slowiph Aquee         3 (1.5%)           Micking         1 (0.5%)           Str         3 (1.5%)           Slowiph Disagree         2 (1.12%)           Slowiph Disagree         2 (1.12%)           Slowiph Pagee         2 (1.12%)           Slowiph Aquee         2 (1.12%)           Slowiph Aquee         4 (1.05%)           Slowiph Aquee         1 (1.05%)           Journal Aquee         2 (1.05%)           Slowiph Aquee         1 (1.05%)           Journal Aquee         2 (1.05%)           Slowiph Aquee         1 (2.05%)           Journal Aquee         2 (2.05%)           Slowiph Aquee         4 (2.05%)           Journal Aquee         2 (2.05%)           Slowiph Aquee         4 (2.05%)           Journal Aquee	Disagree	
Ideal Nome         \$5,527.89           Missing         1,58           Exers         7,50.00           Storacy Diagram         18,00%           Agree         94,67.2%           Storacy Agree         10,00%           Ideal Name         42,21%           Ideal Name         10,58%           Str         10,00%           Str         20,00%           Disagree         11,65%           Agree         22,11%           Storacy Disagree         11,65%           Jose Horne         22,11%           Storacy Disagree         18,80%           Storacy Disagree         18,80%           Storacy Disagree         18,80%           Storacy Disagree         18,00%           Storacy Disagree         12,00%           Storacy Disagree         12,00% <td>Agree</td> <td></td>	Agree	
Minering         1 (0.5%)           EREFE         7 (0.5%)           Disagree         15 (0.0%)           Augree         50 (1.0%)           Siltering Agene         50 (1.0%)           Minering         1 (0.5%)           Minering         1 (0.5%)           Minering         1 (0.5%)           Minering         2 (1.0%)           Strongly Disagree         2 (1.0%)           Siltering Magnee         4 (2.0%)           Disagree         40 (0.0%)           Disagree         40 (0.0%)           Disagree         40 (0.0%)           Disagree         40 (0.0%)           Bittering Agene         4 (2.0%)           Bittering Agene	Strongly Agree	27 (13.6%)
EEG         7,0,5%           Strongly Diagne         16,0,05           Agne         04,47,2%           Strongly Agre         51,05%           I dan't brow         42,21%           Minding         10,05%           Strongly Diagne         71,16%           Strongly Diagne         37,16%           Agne         32,11%           Agne         32,11%           Agne         42,21%           Agne         42,21%           Agne         42,21%           Bloongly Disagne         16,80%           I don't brow         40,201%           Agne         40,201%           Agne         40,201%           Bloongly Disagne         16,80%           Bloongly Agree         40,201%           Bloongly Agree         16,80%           Bloongly Disagne         4,20%           Bloongly Disagne         1,20%           Bloongly Agree         1,20%           I don'	I don't know	65 (32.7%)
Stongly Disagre	Missing	
Disagree	EEr5	
Agree	Strongly Disagree	7 (3.5%)
Brough Agene         35 (7.9%)           I don't Intron         44 (221%)           Milening         10 (5.9%)           Str         35 (10 (5.9%)           Bittery Duagree         37 (18.6%)           Disagree         37 (18.6%)           Agene         26 (11.9%)           I don't Intron         46 (23.1%)           Strongly Duagree         16 (8.0%)           Dilagree         40 (20.1%)           Agroe         14 (2.0%)           Silrongly Duagree         4 (2.0%)           Billough Agene         4 (2.0%)           Silrongly Agene         4 (2.0%)           Silrongly Duagree         4 (2.0%)           Silrongly Agene         9 (8.0%)           Silrongly Duagree         4 (2.0%)           Agroe         90 (6.2%)           Agroe         10 (6.9%)           Agroe         10 (6.9%)           Billinging         4 (2.0%)           Billinging         1 (2.0%)           Billinging         4 (2.0%)           Billinging         4 (2.0%)           Billinging Agene         4 (2.0%)           Billinging Agene         4 (2.0%)           Billinging Agene         2 (2.0%)	Disagree	18 (9.0%)
Idant Now         44 (22 1%)           Missing         10.05 %)           Strongy Disagree         11 (6.0%)           Disagree         27 (16.0%)           Agree         22 (11.2%)           Strongy Agree         46 (20.3%)           Disagree         40 (20.1%)           Disagree         40 (20.1%)           Agree         40 (20.1%)           Strongy Disagree         4 (2.0%)           I don't know         40 (20.1%)           Agree         4 (2.0%)           Strongy Agree         4 (2.0%)           Strongy Agree         4 (2.0%)           Mealing         1 (0.6%)           FCF         11 (6.6%)           Strongy Agree         4 (2.0%)           Strongy Agree         4 (2.0%)           Strongy Agree         4 (2.0%)           Strongy Agree         2 (1.1%)           Strongy Diagree         4 (2.0%)           Disagree         4 (2.0%) <td>Agree</td> <td>94 (47.2%)</td>	Agree	94 (47.2%)
Maria         1 (10.5%)           Sirt Strongly Disagnee         37 (16.6%)           Agree         62 (41.2%)           Agree         62 (41.2%)           I don't know         40 (23.1%)           Sircongly Agree         16 (6.0%)           Disagnee         40 (23.1%)           Sircongly Disagnee         16 (6.0%)           Disagnee         40 (20.1%)           Agree         33 (16.0%)           Agree         40 (20.1%)           Agree         30 (16.1%)           For         40 (20.1%)           Jame         40 (20.1%)           Agree         40 (20.1%)           Strongly Disagnee         4 (2.0%)           Agree         40 (20.1%)           Strongly Agree         4 (2.0%)           Agree         40 (20.1%)           Strongly Agree         4 (2.0%)           Disagnee         4 (2.0%)           Agree         33 (41.7%)           Agree         33 (41.7%)	Strongly Agree	35 (17.6%)
Sincrig/Disagree         1f (5%)           Disagree         27 (180%)           Agree         22 (11%)           Sirongly Agroe         22 (11%)           I don'throw         16 (23%)           Birage         40 (22%)           Disagree         40 (22%)           Disagree         40 (22%)           Agree         33 (160%)           Sirongly Agroe         33 (160%)           I don'throw         30 (18%)           Sirongly Disagree         4 (20%)           Bisagree         4 (20%)           Agree         18 (00%)           Agree         4 (20%)           Disagree         4 (20%)           Agree         10 (00%)           Strongly Disagree         4 (20%)           I don'throw         4 (20%)           Bisagree         11 (55%)           Agree         11 (55%)           Bisagree         11 (55%)           Agree         12 (10%)           Bisagree         12 (20%)           Bisagree         12 (20%)           Bisagree         12 (20%)           Bisagree         12 (10%)           Agree         12 (10%)           Bisagree	I don't know	44 (22.1%)
Stongly Disagree         37 (18.6%)           Agree         62 (41.2%)           Stongly Agree         23 (11.6%)           I doo't know         46 (23.1%)           Stongly Disagree         16 (0.0%)           Disagree         40 (20.1%)           Agree         74 (37.2%)           Stongly Disagree         4 (20%)           Joseph         18 (8.0%)           Agree         18 (8.0%)           Disagree         40 (20.1%)           Agree         40 (20.1%)           Bromply Agree         40 (20.1%)           Disagree         4 (2.0%)           Agree         10 (2.51.3%)           Agree         20 (12.8%)           Disagree         4 (2.0%)           Disagree         25 (12.8%)           Disagree         26 (14.1%)           Disagree         27 (10.8%)           Bromply Disagree         12 (6.0%)           Disagree         43 (21.1%	Missing	1 (0.5%)
Diagre   37 (18.9%)   Ague   22 (11.9%)   14.00	Sir1	
Agree         82 (41.2%)           Strongly Agree         22 (11.6%)           I don't know         46 (23.1%)           Strongly Diagree         16 (6.0%)           Disagree         74 (97.2%)           Agree         74 (97.2%)           I don't know         36 (18.1%)           Strongly Diagree         18 (0.0%)           Disagree         18 (0.0%)           Agree         90 (45.2%)           Strongly Diagree         18 (0.0%)           Agree         90 (45.2%)           Strongly Agree         40 (20.1%)           I don't know         46 (23.1%)           Massing         10 (0.5%)           FCr         11 (5.5%)           Strongly Diagree         4 (2.0%)           Disagree         4 (2.0%)           Agree         90 (45.2%)           Strongly Agree         40 (20.1%)           I don't know         40 (20.1%)           Strongly Disagree         4 (2.0%)           Disagree         4 (2.0%)           Strongly Agree         4 (2.0%)           Agree         50 (41.1%)           Strongly Agree         4 (2.0%)           I don't know         4 (2.0%)           Tage<	Strongly Disagree	11 (5.5%)
Strongly Agree         23 (11.6%)           I don't know         46 (23.1%)           Strongly Disagree         16 (6.0%)           Algae         74 (57.2%)           Strongly Agree         33 (6.6%)           I don't know         33 (6.6%)           Strongly Disagree         4 (2.0%)           Disagree         40 (20.1%)           Agree         90 (45.2%)           Strongly Agree         40 (20.1%)           I don't know         40 (20.1%)           Missing         1 (0.5%)           FCr         11 (5.5%)           Strongly Disagree         11 (5.5%)           Agree         11 (5.5%)           Strongly Agree         10 (2.5%)           I don't know         42 (2.1%)           I don't know         42 (2.1%)           I don't know         42 (2.1%)           PEC2         15 (2.6%)           Strongly Agree         25 (1.26%)           J billiagree         4 (2.0%)           Strongly Agree         28 (14.1%)           I don't know         10 (2.6%)           Missing         12 (0.0%)           Disagree         43 (2.16%)           Strongly Agree         23 (14.1%)	Disagree	37 (18.6%)
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Strongly Disagree         40 (20.1%)           Agree         47 (37.2%)           Strongly Agree         33 (16.6%)           I don't know         98 (15.%)           Strongly Disagree           Strongly Disagree         4 (2.0%)           Disagree         90 (45.2%)           Agree         90 (45.2%)           Strongly Agree         40 (20.1%)           I don't know         46 (2.5%)           Missing         4 (2.0%)           PCrt         5trongly Disagree         4 (2.0%)           Disagree         4 (2.0%)           Agree         10 (5.5%)           Agree         10 (2.5%)           Strongly Disagree         4 (2.0%)           John Know         40 (20.1%)           FC2         5trongly Disagree         4 (2.0%)           Disagree         25 (12.6%)           Agree         33 (41.7%)           Strongly Disagree         25 (12.6%)           John Know         58 (29.1%)           Missing         1 (0.5%)           TX-1         5trongly Disagree         27 (13.6%)           Disagree         43 (21.6%)           Disagree         27 (13.6%)           Strongly Agree <td>I don't know</td> <td>46 (23.1%)</td>	I don't know	46 (23.1%)
Disagree	Sir2	
Agree         74 (37 2%)           Strongly Agree         33 (16 6%)           I don't know         38 (16.1%)           Strongly Disagree         4 (2.0%)           Disagree         90 (46 2%)           Agree         40 (20.1%)           I don't know         40 (20.1%)           I don't know         4 (2.0%)           Missing         1 (0.5%)           FCT         ************************************	Strongly Disagree	16 (8.0%)
Agree         74 (37 2%)           Strongly Agree         33 (16 6%)           I don't know         38 (16.1%)           Strongly Disagree         4 (2.0%)           Disagree         90 (46 2%)           Agree         40 (20.1%)           I don't know         40 (20.1%)           I don't know         4 (2.0%)           Missing         1 (0.5%)           FCT         ************************************	Disagree	40 (20.1%)
I don't know       36 (18.1%)         Strongly Disagree       4 (2.0%)         Agree       90 (45.2%)         Strongly Agree       40 (20.1%)         Li don't know       46 (23.1%)         Missing       4 (2.0%)         EFCH         Strongly Disagree       11 (5.5%)         Agree       10 (2 (51.3%)         Strongly Disagree       4 (2.0%)         Disagree       4 (2.0%)         Strongly Agree       25 (12.6%)         Agree       33 (41.1%)         Strongly Disagree       4 (2.0%)         Disagree       4 (3.24)         Agree       4 (3.26)         Strongly Agree       2 (10.6%)         1 (10.6%)         1 (10.6%)         1 (10.6%)         1 (10.6%)         1 (10.6%)         1 (10.6%)         1 (10.6%)         1 (10.6%)		
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FCr2         Strongly Disagree       4 (2.0%)         Disagree       25 (12.6%)         Agree       33 (41.7%)         Strongly Agree       28 (14.1%)         I don't know       58 (29.1%)         Missing       10.5%)         TAr1       5trongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         Disagree       21 (10.6%)         Agree       21 (10.6%)         Strongly Disagree       21 (10.6%)         Agree       55 (27.6%)         Disagree       20 (10.1%)         Agree       55 (27.6%)         Strongly Disagree       20 (10.1%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAJ		
FCr2         Strongly Disagree       4 (2.0%)         Disagree       25 (12.6%)         Agree       33 (41.7%)         Strongly Agree       28 (14.1%)         I don't know       58 (29.1%)         Missing       10.5%)         TAr1       5trongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         Disagree       21 (10.6%)         Agree       21 (10.6%)         Strongly Disagree       21 (10.6%)         Agree       55 (27.6%)         Disagree       20 (10.1%)         Agree       55 (27.6%)         Strongly Disagree       20 (10.1%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAJ	Strongly Agree	40 (20.1%)
FCr2           Strongly Disagree         4 (2.0%)           Disagree         25 (12.6%)           Agree         83 (41.7%)           Strongly Agree         28 (14.1%)           I don't know         58 (29.1%)           Missing         1 (0.5%)           TAr1         T           Strongly Disagree         12 (6.0%)           Agree         78 (39.2%)           Strongly Agree         27 (13.6%)           I don't know         39 (19.6%)           TAr2         T           Strongly Disagree         21 (10.6%)           Agree         74 (37.2%)           Agree         55 (27.6%)           Agree         55 (27.6%)           I don't know         28 (14.1%)           Agree         55 (27.6%)           I don't know         28 (14.1%)           Missing         1 (0.5%)           TAr3		
Disagree       25 (12.6%)         Agree       83 (41.7%)         Strongly Agree       28 (14.1%)         I don't know       58 (29.1%)         Missing       1 (0.5%)         TAR1         Strongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3	FCr2	
Agree       83 (41.7%)         Strongly Agree       28 (14.1%)         I don't know       58 (29.1%)         Missing       1 (0.5%)         TAR1         Strongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAR2       21 (10.6%)         Strongly Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAR3	Strongly Disagree	4 (2.0%)
Strongly Agree       28 (14.1%)         I don't know       58 (29.1%)         Missing       1 (0.5%)         TAr1         Strongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2       Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3	Disagree	25 (12.6%)
Strongly Agree       28 (14.1%)         I don't know       58 (29.1%)         Missing       1 (0.5%)         TAr1         Strongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2       Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3	Agree	83 (41.7%)
Missing       1 (0.5%)         TAr1         Strongly Disagree       12 (6.0%)         Agree       43 (21.6%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)	Strongly Agree	
Missing       1 (0.5%)         TAr1         Strongly Disagree       12 (6.0%)         Agree       43 (21.6%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)	I don't know	58 (29.1%)
TAr1         Strongly Disagree       12 (6.0%)         Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)	Missing	
Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)		
Disagree       43 (21.6%)         Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)	Strongly Disagree	12 (6.0%)
Agree       78 (39.2%)         Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		
Strongly Agree       27 (13.6%)         I don't know       39 (19.6%)         TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		
I don't know       39 (19.6%)         TAr2       Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		
TAr2         Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		
Strongly Disagree       21 (10.6%)         Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		, ,
Disagree       74 (37.2%)         Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		21 (10.6%)
Agree       55 (27.6%)         Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		
Strongly Agree       20 (10.1%)         I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3		
I don't know       28 (14.1%)         Missing       1 (0.5%)         TAr3       TAr3		
Missing 1 (0.5%) <b>TAr3</b>		
TAr3		
		V · · /
		10 (5.0%)

	Overall (N=199)
Disagree	19 (9.5%)
Agree	97 (48.7%)
Strongly Agree	48 (24.1%)
I don't know	23 (11.6%)
Missing	2 (1.0%)
TAr4	
Strongly Disagree	22 (11.1%)
Disagree	73 (36.7%)
Agree	57 (28.6%)
Strongly Agree	20 (10.1%)
I don't know	27 (13.6%)
PTr1	
Strongly Disagree	17 (8.5%)
Disagree	61 (30.7%)
Agree	57 (28.6%)
Strongly Agree	30 (15.1%)
I don't know	34 (17.1%)
PTr2	
Strongly Disagree	7 (3.5%)
Disagree	21 (10.6%)
Agree	87 (43.7%)
Strongly Agree	27 (13.6%)
I don't know	57 (28.6%)
PTr3	
Strongly Disagree	14 (7.0%)
Disagree	49 (24.6%)
Agree	67 (33.7%)
Strongly Agree	33 (16.6%)
I don't know	36 (18.1%)
PCr1	
Strongly Disagree	3 (1.5%)
Disagree	32 (16.1%)
Agree	54 (27.1%)
Strongly Agree	32 (16.1%)
I don't know	78 (39.2%)
PCr2	
Strongly Disagree	10 (5.0%)
Disagree	37 (18.6%)
Agree	64 (32.2%)
Strongly Agree	35 (17.6%)
I don't know	53 (26.6%)
EAr1	
Strongly Disagree	4 (2.0%)
Disagree	23 (11.6%)
Agree	81 (40.7%)
Strongly Agree	55 (27.6%)
I don't know	35 (17.6%)
Missing	1 (0.5%)
EAr2	
Strongly Disagree	2 (1.0%)
Disagree	22 (11.1%)
Agree	84 (42.2%)
Strongly Agree	53 (26.6%)
I don't know	38 (19.1%)
EAr3	
Strongly Disagree	4 (2.0%)
Disagree	14 (7.0%)
Agree	100 (50.3%)
Strongly Agree	50 (25.1%)
I don't know	30 (15.1%)
Missing	1 (0.5%)

	Overall (N=199)
EAr4	
Strongly Disagree	4 (2.0%)
Disagree	22 (11.1%)
Agree	82 (41.2%)
Strongly Agree	44 (22.1%)
I don't know	45 (22.6%)
Missing	2 (1.0%)
Bir1	
Strongly Disagree	12 (6.0%)
Disagree	33 (16.6%)
Agree	55 (27.6%)
Strongly Agree	9 (4.5%)
I don't know	89 (44.7%)
Missing	1 (0.5%)
Bir2	
Strongly Disagree	8 (4.0%)
Disagree	21 (10.6%)
Agree	91 (45.7%)
Strongly Agree	33 (16.6%)
I don't know	46 (23.1%)
Bir3	
Strongly Disagree	23 (11.6%)
Disagree	54 (27.1%)
Agree	40 (20.1%)
Strongly Agree	8 (4.0%)
I don't know	73 (36.7%)
Missing	1 (0.5%)

```
library("tidyverse")
## — Attaching packages -
                                                                — tidyverse 1.3.2 —
## √ ggplot2 3.4.0 √ purrr 0.3.5
## √ tidyr 1.2.1
## √ readr 2.1.3
                      ✓ stringr 1.4.1

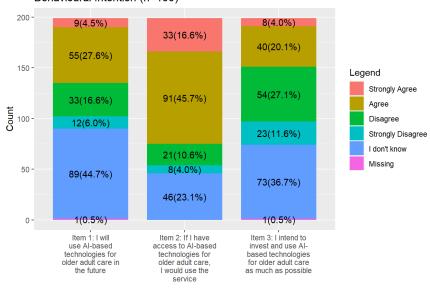
√ forcats 0.5.2

## — Conflicts —
                                                         — tidyverse_conflicts() —
## X dplyr::filter() masks stats::filter()
## X dplyr::lag() masks stats::lag()
BIr1.char<-as.character(ELIG.variRNC2$BIr1)</pre>
BIr2.char<-as.character(ELIG.variRNC2$BIr2)
BIr3.char<-as.character(ELIG.variRNC2$BIr3)
BIs<-cbind(BIr1.char, BIr2.char, BIr3.char)
BIitems<-data.frame(BIs)
for(i in 1:nrow(BIitems)){
 if(is.na(BIitems$BIr1[i])) BIitems$BIr1[i] <- "Missing"</pre>
  if(is.na(BIitems$BIr3[i])) BIitems$BIr3[i] <- "Missing"</pre>
}
BI1 <-Blitems$BIr1.char
BI2 <-Blitems$BIr2.char
BI3 <-Blitems$BIr3.char
TotalBI<- data.frame(BI1, BI2, BI3)
TotalBI %>% group_by(BI1, BI2, BI3) %>%
 summarise(n = n())
## `summarise()` has grouped output by 'BI1', 'BI2'. You can override using the
## `.groups` argument.
```

```
## # A tibble: 36 × 4
## # Groups: BI1, BI2 [16]
##
     BI1 BI2
                          BI3
                                                n
##
     <chr> <chr>
                          <chr>>
                                            <int>
## 1 Agree Agree
                          Agree
                                               19
## 2 Agree Agree
                          Disagree
                                                8
##
  3 Agree Agree
                          I don't know
## 4 Agree Agree
                          Strongly Disagree
                                                2
## 5 Agree Agree
                          <NA>
## 6 Agree Disagree
                          Agree
                                                1
## 7 Agree Strongly Agree Agree
                                                9
## 8 Agree Strongly Agree Disagree
## 9 Agree Strongly Agree I don't know
                                                1
## 10 Agree Strongly Agree Strongly Agree
                                                2
## # ... with 26 more rows
```

```
## `summarise()` has grouped output by 'BI.prep'. You can override using the
## `.groups` argument.
```

### Behavioural Intention (n=199)





### #Preparing the constructs' items

##Convert all constructs' items responses into their respective numerical values (strongly disagree = 1, disagree = 2, agree = 3, strongly agree = 4)

##The option of 'I don't know' (numeric value of 5) was replaced with NA (i.e., missing value)

##Due to the wording of some items, we reverse coded some (i.e., 1=4, 2=3, 3=2, 4=1)

##Based on the constructs' items responses we generated a mean construct score for each participant. So if a construct had 3 items - 2 items had a response, but for one item there was missing data, then the mean construct score for CHAt participant will be generated based on the 2 items (CHAt had a response). If all 3 items (for a construct) had missing data, then the construct mean score could not be generated; as a result, CHAt participant's mean construct score will be missing.

#### ###PE CONSTRUCT ITEMS

```
PEr1.num<-as.numeric(ELIG.variRNC2$PEr1)
PEr1.num[which(PEr1.num==5)]<-NA

PEr2.num<-as.numeric(ELIG.variRNC2$PEr2)
PEr2.num[which(PEr2.num==5)]<-NA

PEr3.num<-as.numeric(ELIG.variRNC2$PEr3)
PEr3.num(which(PEr3.num==5)]<-NA

PEr4.num(which(PEr3.num==5)]<-NA

PEr4.num[which(PEr4.num==5)]<-NA

PEr5.num<-as.numeric(ELIG.variRNC2$PEr4)
PEr5.num(which(PEr5.num==5)]<-NA

PEr6.num(which(PEr5.num==5)]<-NA

PEr6.num(which(PEr6.num==5)]<-NA

PEr6.num(which(PEr6.num==5)]<-NA

PEr6.num(which(PEr6.num==5)]<-Na

PEr7.<-cbind(PEr1.num,PEr2.num,PEr3.num,PEr4.num,PEr5.num,PEr6.num)
PEr.score<-round(apply(PEr.T,1,mean,na.rm=T),2)
```

#### ###EE CONSTRUCT ITEMS

```
EEr1.num<-as.numeric(ELIG.variRNC2$EEr1)
EEr2.num(which(EEr1.num==5)]<-NA

EEr2.num<-as.numeric(ELIG.variRNC2$EEr2)
EEr2.num(which(EEr2.num==5)]<-NA

EEr3.num<-as.numeric(ELIG.variRNC2$EEr3)
EEr3.num(which(EEr3.num==5)]<-NA

EEr4.num<-as.numeric(ELIG.variRNC2$EEr4)
EEr4.num(which(EEr4.num==5)]<-NA

EEr5.num<-as.numeric(ELIG.variRNC2$EEr5)
EEr5.num(which(EEr5.num==5)]<-NA

EEr5.num<-as.numeric(ELIG.variRNC2$EEr5)
EEr5.num(which(EEr5.num==5)]<-NA

EEr.T<-cbind(EEr1.num, EEr2.num, EEr3.num, EEr4.num, EEr5.num)
EEr.score<-round(apply(EEr.T,1,mean,na.rm=T),2)</pre>
```

### ###SI CONSTRUCT ITEMS

```
SIr1.num<-as.numeric(ELIG.variRNC2$SIr1)
SIr1.num[which(SIr1.num==5)]<-NA

SIr2.num<-as.numeric(ELIG.variRNC2$SIr2)
SIr2.num[which(SIr2.num==5)]<-NA

SIr3.num<-as.numeric(ELIG.variRNC2$SIr3)
SIr3.num[which(SIr3.num==5)]<-NA

SIr.T<-cbind(SIr1.num, SIr2.num, SIr3.num)
SIr.score<-round(apply(SIr.T,1,mean,na.rm=T),2)
```

#### ###FC CONSTRUCT ITEMS

```
FCr1.num<-as.numeric(ELIG.variRNC2$FCr1)
FCr1.num[which(FCr1.num==5)]<-NA

FCr2.num<-as.numeric(ELIG.variRNC2$FCr2)
FCr2.num[which(FCr2.num==5)]<-NA

FCr.T<-cbind(FCr1.num, FCr2.num)
FCr.score<-round(apply(FCr.T,1,mean,na.rm=T),2)
```

#### ###TA CONSTRUCT ITEMS

####Two TA items were reversed coded

```
TAr1.num(-as.numeric(ELIG.variRNC2$TAr1)
TAr1.num[which(TAr1.num==5)]<-NA
TAr1.num<-5-TAr1.num

TAr2.num<-as.numeric(ELIG.variRNC2$TAr2)
TAr2.num[which(TAr2.num==5)]<-NA

TAr3.num(-as.numeric(ELIG.variRNC2$TAr3)
TAr3.num[which(TAr3.num==5)]<-NA
TAr3.num(which(TAr3.num==5)]<-NA
TAr3.num(-as.numeric(ELIG.variRNC2$TAr4)
TAr4.num(which(TAr4.num==5)]<-NA

TAr4.num[which(TAr4.num==5)]<-NA

TAr7<-cbind(TAr1.num, TAr2.num, TAr3.num, TAr4.num)
TAr.score<-round(apply(TAr.T,1,mean,na.rm=T),2)
```

#### ###PT CONSTRUCT ITEMS

####Two PT items were reversed coded

```
PTr1.num<-as.numeric(ELIG.variRNC2$PTr1)
PTr1.num[which(PTr1.num==5)]<-NA
PTr1.num<-5-PTr1.num

PTr2.num<-as.numeric(ELIG.variRNC2$PTr2)
PTr2.num[which(PTr2.num==5)]<-NA

PTr3.num<-as.numeric(ELIG.variRNC2$PTr3)
PTr3.num[which(PTr3.num==5)]<-NA
PTr3.num(which(PTr3.num==5)]<-NA
PTr3.num(varian)
PTr3.num(varian)
PTr3.num(varian)
PTr3.num(varian)
PTr.T<-cbind(PTr1.num, PTr2.num, PTr3.num)
PTr.score<-round(apply(PTr.T,1,mean,na.rm=T),2)
```

#### ###PC CONSTRUCT ITEMS

```
PCr1.num<-as.numeric(ELIG.variRNC2$PCr1)
PCr1.num[which(PCr1.num==5)]<-NA

PCr2.num<-as.numeric(ELIG.variRNC2$PCr2)
PCr2.num[which(PCr2.num==5)]<-NA

PCr.T<-cbind(PCr1.num, PCr2.num)
PCr.score<-round(apply(PCr.T,1,mean,na.rm=T),2)
```

#### ### CSA CONSTRUCT ITEMS

```
EAr1.num<-as.numeric(ELIG.variRNC2$EAr1)
EAr1.num[which(EAr1.num==5)]<-NA

EAr2.num<-as.numeric(ELIG.variRNC2$EAr2)
EAr2.num[which(EAr2.num==5)]<-NA

EAr4.num<-as.numeric(ELIG.variRNC2$EAr4)
EAr4.num[which(EAr4.num==5)]<-NA

EAr1.c-cbind(EAr1.num, EAr2.num, EAr4.num)
CSA.score<-round(apply(EAr.T,1,mean,na.rm=T),2)
```

### ###CHA CONSTRUCT ITEMS

```
EAr3.num<-as.numeric(ELIG.variRNC2$EAr3)
EAr3.num[which(EAr3.num==5)]<-NA

EA2r.T<-cbind(EAr3.num)
CHA.score<-round(apply(EA2r.T,1,mean,na.rm=T),2)
```

#### ###BI CONSTRUCT ITEMS

```
BIr1.num<-as.numeric(ELIG.variRNC2$BIr1)
BIr1.num[which(BIr1.num==5)]<-NA

BIr2.num<-as.numeric(ELIG.variRNC2$BIr2)
BIr2.num[which(BIr2.num==5)]<-NA

BIr3.num<-as.numeric(ELIG.variRNC2$BIr3)
BIr3.num[which(BIr3.num==5)]<-NA

BIr.T<-cbind(BIr1.num, BIr2.num, BIr3.num)
BIr.score<-round(apply(BIr.T,1,mean,na.rm=T),2)
```

```
Constructs.num<-cbind(PEr.score, EEr.score, SIr.score, FCr.score, TAr.score, PTr.score,
PCr.score, CSA.score, CHA.score, BIr.score)
```

#### #Create a visual to illustrate the distribution of constructs' scores

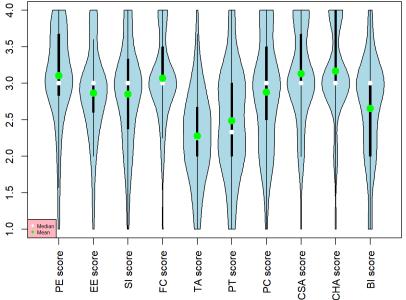
```
## Loading required package: sm

## Package 'sm', version 2.2-5.7: type help(sm) for summary information

## Loading required package: zoo

## Attaching package: 'zoo'

## The following objects are masked from 'package:base':
##
## as.Date, as.Date.numeric
```



```
## Loading required package: colorspace

## Loading required package: grid

## VIM is ready to use.

## Suggestions and bug-reports can be submitted at: https://github.com/statistikat/VIM/issues

## ## Attaching package: 'VIM'

## The following object is masked from 'package:datasets':
## ## sleep
```

### #Examine missing data

##Missing data includes both missing data (i.e., respondent's did not put an answer/response) and 'I don't know' responses (which were converted to missing data, as mentoined previously in the above codes).

##The purpose of running the 'aggr' (i.e., aggregation for missing values) function below was to see if there was a pattern of missing data CHAt was most prevalent within each construct (since each construct has between 1-6 items).

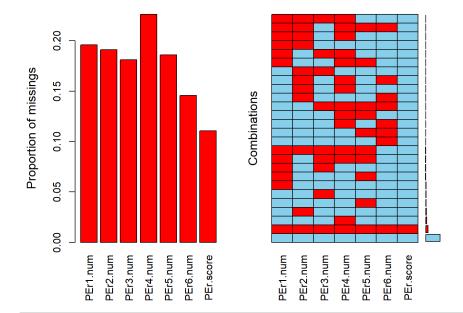
##When no construct mean score could be computed, it is reflected as the combination of 1:1:1:1:1 (i.e, all items to measure a construct did not have a response), as such this was considered to be missing data.

##While, the full data pattern is reflected as the combination of 0:0:0:0 (i.e., all items to measure a construct had a response).

##Based on what we ran the most prevalent pattern.combination was full data across all constructs.

### ###PE CONSTRUCT

```
PEr.MD<-cbind(PEr1.num,PEr2.num,PEr3.num,PEr4.num,PEr5.num,PEr6.num,PEr.score)
PE.missing<-aggr(PEr.MD)
```

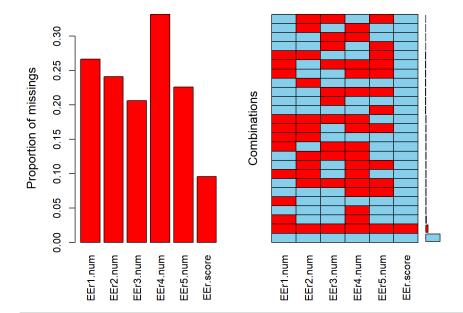


```
summary(PE.missing)
```

```
##
##
   Missings per variable:
##
    Variable Count
    PEr1.num
##
                39
                38
##
    PEr2.num
##
    PEr3.num
                36
##
    PEr4.num
               45
##
    PEr5.num
                37
##
    PEr6.num
                29
               22
##
   PEr.score
## Missings in combinations of variables:
##
   Combinations Count
                         Percent
##
  0:0:0:0:0:0:0 128 64.3216080
## 0:0:0:0:0:1:0
                   1 0.5025126
   0:0:0:0:1:0:0
##
                    4 2.0100503
##
   0:0:0:0:1:1:0
                    1 0.5025126
   0:0:0:1:0:0:0
                    9 4.5226131
##
                    1 0.5025126
   0:0:0:1:0:1:0
##
   0:0:0:1:1:0:0
                    1 0.5025126
                    4 2.0100503
  0:0:1:0:0:0:0
## 0:0:1:1:1:1:0
                    1 0.5025126
##
   0:1:0:0:0:0:0
                    6 3.0150754
## 0:1:0:0:0:1:0
                    1 0.5025126
## 0:1:0:1:0:0:0
                    1 0.5025126
##
   0:1:0:1:0:1:0
                    1 0.5025126
##
  0:1:1:0:0:0:0
                    1 0.5025126
  1:0:0:0:0:0:0
                    3 1.5075377
## 1:0:0:0:1:0:0
                    2 1.0050251
##
   1:0:0:1:1:0:0
                    1 0.5025126
## 1:0:1:0:0:0:0
                    2 1.0050251
## 1:0:1:1:0:0:0
                    1 0.5025126
##
   1:0:1:1:1:0:0
                    2 1.0050251
##
  1:1:0:0:0:0:0
                    1 0.5025126
  1:1:0:1:0:0:0
                    1 0.5025126
  1:1:0:1:1:1:0
##
                    1 0.5025126
##
   1:1:1:1:0:0:0
                    1 0.5025126
## 1:1:1:1:0:0
                    2 1.0050251
##
  1:1:1:1:1:1:1
                   22 11.0552764
```

### ###EE CONSTRUCT

```
EEr.MD<-cbind(EEr1.num, EEr2.num, EEr3.num, EEr4.num, EEr5.num,EEr.score)
EE.missing<-aggr(EEr.MD)
```

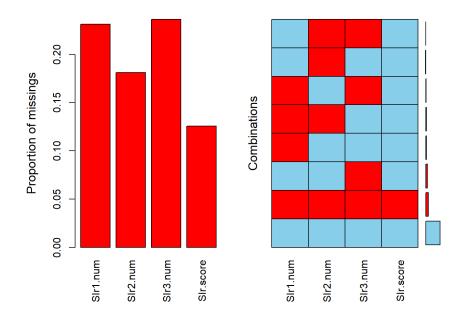


```
summary(EE.missing)
```

```
##
##
   Missings per variable:
##
    Variable Count
    EEr1.num
##
                53
##
    EEr2.num
                48
##
    EEr3.num
                41
##
    EEr4.num
                66
##
    EEr5.num
                45
##
                19
   EEr.score
##
   Missings in combinations of variables:
##
   Combinations Count
                        Percent
##
    0:0:0:0:0:0 115 57.7889447
                   2 1.0050251
##
    0:0:0:0:1:0
                    5 2.5125628
##
    0:0:0:1:0:0
    0:0:0:1:1:0
                    4 2.0100503
##
    0:0:1:0:0:0
##
                    2 1.0050251
    0:0:1:0:1:0
                    1 0.5025126
##
    0:0:1:1:0:0
                    1 0.5025126
##
    0:0:1:1:1:0
                    2 1.0050251
    0:1:0:0:0:0
                    2 1.0050251
##
##
    0:1:0:1:0:0
                    1 0.5025126
##
    0:1:0:1:1:0
                    3 1.5075377
    0:1:1:0:1:0
                    1 0.5025126
##
##
    0:1:1:1:0:0
                    3 1.5075377
##
                    4 2.0100503
    0:1:1:1:1:0
##
    1:0:0:0:0:0
                    5 2.5125628
##
    1:0:0:1:0:0
                    7 3.5175879
##
    1:0:0:1:1:0
                    2 1.0050251
##
    1:0:1:1:0:0
                    3 1.5075377
                    2 1.0050251
##
    1:0:1:1:1:0
##
    1:1:0:0:0:0
                    3 1.5075377
##
    1:1:0:0:1:0
                    2 1.0050251
##
    1:1:0:1:0:0
                    4
                      2.0100503
##
    1:1:0:1:1:0
                    3 1.5075377
##
    1:1:1:1:0:0
                    3
                      1.5075377
##
    1:1:1:1:1:1
                   19 9.5477387
```

### ###SI CONSTRUCT

```
SIr.MD<-cbind(SIr1.num, SIr2.num, SIr3.num,SIr.score)
SI.missing<-aggr(SIr.MD)
```

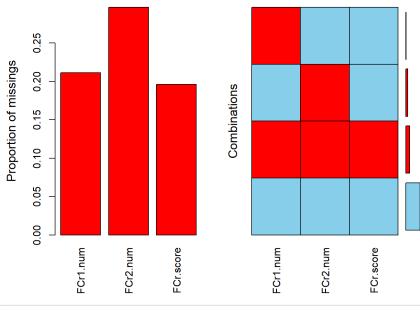


### summary(SI.missing)

```
##
##
   Missings per variable:
##
    Variable Count
##
    SIr1.num
                46
##
    SIr2.num
                36
                47
##
    SIr3.num
                25
##
   SIr.score
##
##
   Missings in combinations of variables:
##
   Combinations Count
                         Percent
        0:0:0:0 134 67.3366834
##
        0:0:1:0
                   16 8.0402010
        0:1:0:0
                    2 1.0050251
##
##
        0:1:1:0
                    1 0.5025126
##
        1:0:0:0
                    8 4.0201005
##
        1:0:1:0
                    5 2.5125628
        1:1:0:0
                    8 4.0201005
##
        1:1:1:1
                   25 12.5628141
```

## ###FC CONSTRUCT

```
FCr.MD<-cbind(FCr1.num, FCr2.num, FCr.score)
FC.missing<-aggr(FCr.MD)</pre>
```

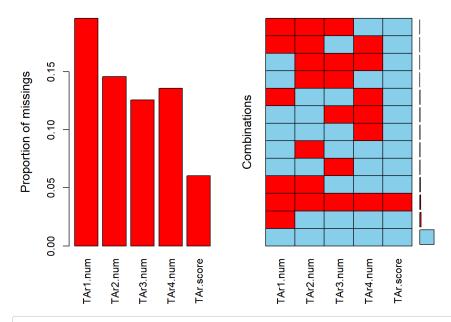


summary(FC.missing)

```
##
##
   Missings per variable:
##
    Variable Count
##
    FCr1.num
                42
    FCr2.num
                59
##
## FCr.score
                39
##
   Missings in combinations of variables:
##
##
   Combinations Count Percent
##
          0:0:0 137 68.844221
##
          0:1:0
                  20 10.050251
##
          1:0:0
                   3 1.507538
          1:1:1
##
                 39 19.597990
```

### ###TA CONSTRUCT

```
TAr.MD<-cbind(TAr1.num, TAr2.num, TAr3.num, TAr4.num,TAr.score)
TA.missing<-aggr(TAr.MD)
```

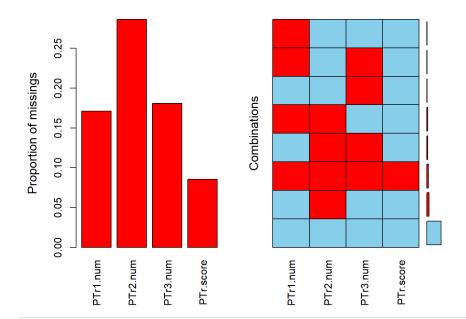


#### summary(TA.missing)

```
## Missings per variable:
##
    Variable Count
##
    TAr1.num
               39
##
    TAr2.num
               29
##
    TAr3.num
               25
    TAr4.num
               27
##
## TAr.score
               12
##
##
   Missings in combinations of variables:
##
   Combinations Count Percent
##
      0:0:0:0:0 137 68.8442211
##
      0:0:0:1:0
                   5 2.5125628
                   6 3.0150754
##
      0:0:1:0:0
##
      0:0:1:1:0
                   4 2.0100503
##
      0:1:0:0:0
                   6 3.0150754
      0:1:1:0:0
                  1 0.5025126
##
      0:1:1:1:0
                  1 0.5025126
##
      1:0:0:0:0
                  14 7.0351759
##
      1:0:0:1:0
                   4 2.0100503
##
      1:1:0:0:0
                   7 3.5175879
##
      1:1:0:1:0
                   1 0.5025126
##
      1:1:1:0:0
                   1 0.5025126
##
      1:1:1:1:1
                  12 6.0301508
```

#### ###PT CONSTRUCT

```
PTr.MD<-cbind(PTr1.num, PTr2.num, PTr3.num,PTr.score)
PT.missing<-aggr(PTr.MD)
```

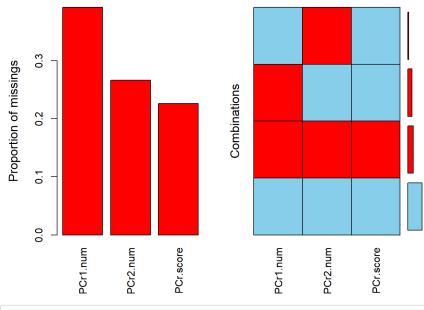


summary(PT.missing)

```
##
##
   Missings per variable:
##
    Variable Count
##
    PTr1.num
                34
##
    PTr2.num
                57
##
    PTr3.num
                36
                17
##
    PTr.score
##
##
   Missings in combinations of variables:
##
   Combinations Count Percent
        0:0:0:0
                 129 64.824121
##
        0:0:1:0
                   5 2.512563
        0:1:0:0
                   22 11.055276
##
##
        0:1:1:0
                    9 4.522613
##
        1:0:0:0
                    3 1.507538
##
        1:0:1:0
                    5 2.512563
        1:1:0:0
                    9
                      4.522613
##
        1:1:1:1
                   17 8.542714
```

### ###PC CONSTRUCT

PCr.MD<-cbind(PCr1.num, PCr2.num,PCr.score)
PC.missing<-aggr(PCr.MD)

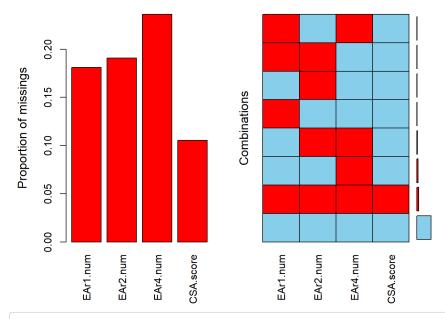


summary(PC.missing)

```
##
##
   Missings per variable:
##
    Variable Count
##
    PCr1.num
                78
    PCr2.num
##
               53
## PCr.score
                45
##
   Missings in combinations of variables:
##
   Combinations Count Percent
##
          0:0:0 113 56.783920
##
          0:1:0
                   8 4.020101
##
          1:0:0
                  33 16.582915
##
          1:1:1
                 45 22.613065
```

### ###CSA CONSTRUCT

```
EAr.MD<-cbind(EAr1.num, EAr2.num, EAr4.num,CSA.score)
EA.missing<-aggr(EAr.MD)
```

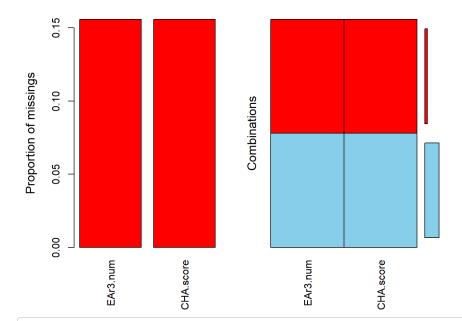


#### summary(EA.missing)

```
## Missings per variable:
##
    Variable Count
##
    EAr1.num
               36
##
    EAr2.num
               38
##
    EAr4.num
               47
## CSA.score
               21
##
##
   Missings in combinations of variables:
##
   Combinations Count Percent
        0:0:0:0 136 68.341709
##
        0:0:1:0
                 15 7.537688
##
        0:1:0:0
                   5 2.512563
##
        0:1:1:0
                   7 3.517588
##
        1:0:0:0
                   6 3.015075
##
        1:0:1:0
                   4 2.010050
##
        1:1:0:0
                   5 2.512563
        1:1:1:1
                   21 10.552764
```

### ###CHA CONSTRUCT

```
EA2r.MD<-cbind(EAr3.num,CHA.score)
EA2.missing<-aggr(EA2r.MD)
```

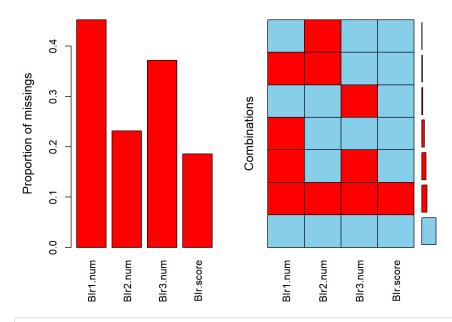


summary(EA2.missing)

```
##
   Missings per variable:
Variable Count
##
##
##
     EAr3.num
                 31
##
    CHA.score
                 31
##
##
   Missings in combinations of variables:
##
    Combinations Count Percent
##
             0:0
                   168 84.42211
                     31 15.57789
##
             1:1
```

#### ###BI CONSTRUCT

```
BIr.MD<-cbind(BIr1.num, BIr2.num, BIr3.num, BIr.score)
BI.missing<-aggr(BIr.MD)
```



summary(BI.missing)

```
##
## Missings per variable:
   Variable Count
##
##
   BIr1.num
              90
## BIr2.num 46
## BIr3.num 74
## BIr.score 37
##
## Missings in combinations of variables:
## Combinations Count Percent
##
        0:0:0:0
                 98 49.246231
##
        0:0:1:0 8 4.020101
        0:1:0:0 3 1.507538
1:0:0:0 18 9.045226
##
##
        1:0:1:0 29 14.572864
##
##
        1:1:0:0 6 3.015075
##
        1:1:1:1 37 18.592965
```

#Within each construct, we compared the demographic & Al-related variables between people with missing (mean) construct scores versus those with no missing (mean) construct scores

##The purpose of this was to see if there was any differences between those with no missing vs. those with missing (mean) construct scores. If there was any noteworthy difference, then we would consider imputing the missing data.

##Based on the codes below, it appears CHAt there isn't any noteworthy differences in demographics between the two groups (within each construct), so no imputation for missing values were conducted.

#### ###PE CONSTRUCT

```
PEr.score.missing<-factor(is.na(PEr.score),labels=c("No missing construct score","Missing construct score"))
PE.assess.MD<-cbind(ELIG.variRNC2,PEr.score.missing)

table1(~`Age`+ `Gender`+ `Education`+
   `Employment`+ `Family caregivers past AI experience`+
   `Family caregivers' knowledge about AI`|PEr.score.missing,data=PE.assess.MD)
```

	No missing construct score (N=177)	Missing construct score (N=22)	Overall (N=199)
Age			
Mean (SD)	56.4 (5.53)	58.7 (4.77)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	60.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	116 (65.5%)	12 (54.5%)	128 (64.3%)
Man	61 (34.5%)	10 (45.5%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	37 (20.9%)	7 (31.8%)	44 (22.1%)
College / CEGEP	74 (41.8%)	8 (36.4%)	82 (41.2%)
Undergraduate	44 (24.9%)	4 (18.2%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	19 (10.7%)	3 (13.6%)	22 (11.1%)
Other, please specify	2 (1.1%)	0 (0%)	2 (1.0%)
Employment			
Full-time	81 (45.8%)	7 (31.8%)	88 (44.2%)
Part-time	20 (11.3%)	3 (13.6%)	23 (11.6%)
Unemployed	13 (7.3%)	2 (9.1%)	15 (7.5%)
Retired	57 (32.2%)	8 (36.4%)	65 (32.7%)
Full-time caregiver	2 (1.1%)	0 (0%)	2 (1.0%)
Other, please specify	4 (2.3%)	2 (9.1%)	6 (3.0%)
Family caregivers past AI experience			
Yes	15 (8.5%)	1 (4.5%)	16 (8.0%)
No	162 (91.5%)	21 (95.5%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	96 (54.2%)	13 (59.1%)	109 (54.8%)
Somewhat knowledgeable	42 (23.7%)	4 (18.2%)	46 (23.1%)
Moderately knowledgeable	33 (18.6%)	4 (18.2%)	37 (18.6%)
Extremely knowledgeable	5 (2.8%)	1 (4.5%)	6 (3.0%)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

###EE CONSTRUCT

 ${\tt EEr.score.missing \leftarrow factor (is.na(EEr.score), labels = c("No missing construct score", "Missing construct score"))}$ EE.assess.MD<-cbind(ELIG.variRNC2,EEr.score.missing)</pre>

table1(~`Age`+ `Gender`+ `Education`+

- `Employment`+ `Family caregivers past AI experience`+
  `Family caregivers' knowledge about AI`|EEr.score.missing,data=EE.assess.MD)

	No missing construct score (N=180)	Missing construct score (N=19)	Overall (N=199)
Age			
Mean (SD)	56.5 (5.53)	58.3 (4.94)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	59.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	115 (63.9%)	13 (68.4%)	128 (64.3%)
Man	65 (36.1%)	6 (31.6%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	38 (21.1%)	6 (31.6%)	44 (22.1%)
College / CEGEP	75 (41.7%)	7 (36.8%)	82 (41.2%)
Undergraduate	44 (24.4%)	4 (21.1%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	20 (11.1%)	2 (10.5%)	22 (11.1%)
Other, please specify	2 (1.1%)	0 (0%)	2 (1.0%)
Employment			
Full-time	84 (46.7%)	4 (21.1%)	88 (44.2%)
Part-time	18 (10.0%)	5 (26.3%)	23 (11.6%)
Unemployed	13 (7.2%)	2 (10.5%)	15 (7.5%)
Retired	59 (32.8%)	6 (31.6%)	65 (32.7%)
Full-time caregiver	2 (1.1%)	0 (0%)	2 (1.0%)
Other, please specify	4 (2.2%)	2 (10.5%)	6 (3.0%)
Family caregivers past Al experience			
Yes	15 (8.3%)	1 (5.3%)	16 (8.0%)
No	165 (91.7%)	18 (94.7%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	97 (53.9%)	12 (63.2%)	109 (54.8%)
Somewhat knowledgeable	43 (23.9%)	3 (15.8%)	46 (23.1%)
Moderately knowledgeable	33 (18.3%)	4 (21.1%)	37 (18.6%)
Extremely knowledgeable	6 (3.3%)	0 (0%)	6 (3.0%)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

### ###SI CONSTRUCT

SIr.score.missing<-factor(is.na(SIr.score),labels=c("No missing construct score","Missing construct score")) SI.assess.MD<-cbind(ELIG.variRNC2,SIr.score.missing)

table1(~`Age`+ `Gender`+ `Education`+

- `Employment`+ `Family caregivers past AI experience`+
- `Family caregivers' knowledge about AI`|SIr.score.missing,data=SI.assess.MD)

	No missing construct score (N=174)	Missing construct score (N=25)	Overall (N=199)
Age			
Mean (SD)	56.2 (5.51)	60.0 (4.05)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	61.0 [49.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	112 (64.4%)	16 (64.0%)	128 (64.3%)
Man	62 (35.6%)	9 (36.0%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	35 (20.1%)	9 (36.0%)	44 (22.1%)
College / CEGEP	72 (41.4%)	10 (40.0%)	82 (41.2%)
Undergraduate	42 (24.1%)	6 (24.0%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	22 (12.6%)	0 (0%)	22 (11.1%)
Other, please specify	2 (1.1%)	0 (0%)	2 (1.0%)
Employment			
Full-time	79 (45.4%)	9 (36.0%)	88 (44.2%)
Part-time	20 (11.5%)	3 (12.0%)	23 (11.6%)
Unemployed	12 (6.9%)	3 (12.0%)	15 (7.5%)

	No missing construct score (N=174)	Missing construct score (N=25)	Overall (N=199)
Retired	56 (32.2%)	9 (36.0%)	65 (32.7%)
Full-time caregiver	2 (1.1%)	0 (0%)	2 (1.0%)
Other, please specify	5 (2.9%)	1 (4.0%)	6 (3.0%)
Family caregivers past AI experience			
Yes	15 (8.6%)	1 (4.0%)	16 (8.0%)
No	159 (91.4%)	24 (96.0%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	95 (54.6%)	14 (56.0%)	109 (54.8%)
Somewhat knowledgeable	41 (23.6%)	5 (20.0%)	46 (23.1%)
Moderately knowledgeable	31 (17.8%)	6 (24.0%)	37 (18.6%)
Extremely knowledgeable	6 (3.4%)	0 (0%)	6 (3.0%)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

#### ###FC CONSTRUCT

FCr.score.missing<-factor(is.na(FCr.score),labels=c("No missing construct score","Missing construct score"))
FC.assess.MD<-cbind(ELIG.variRNC2,FCr.score.missing)

table1(~`Age`+ `Gender`+ `Education`+

`Employment`+ `Family caregivers past AI experience`+

`Family caregivers' knowledge about AI`|FCr.score.missing,data=FC.assess.MD)

	No missing construct score (N=160)	Missing construct score (N=39)	Overall (N=199)
Age			
Mean (SD)	56.2 (5.59)	58.7 (4.61)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	60.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	101 (63.1%)	27 (69.2%)	128 (64.3%)
Man	59 (36.9%)	12 (30.8%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	34 (21.3%)	10 (25.6%)	44 (22.1%)
College / CEGEP	65 (40.6%)	17 (43.6%)	82 (41.2%)
Undergraduate	40 (25.0%)	8 (20.5%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	18 (11.3%)	4 (10.3%)	22 (11.1%)
Other, please specify	2 (1.3%)	0 (0%)	2 (1.0%)
Employment			
Full-time	74 (46.3%)	14 (35.9%)	88 (44.2%)
Part-time	18 (11.3%)	5 (12.8%)	23 (11.6%)
Unemployed	12 (7.5%)	3 (7.7%)	15 (7.5%)
Retired	51 (31.9%)	14 (35.9%)	65 (32.7%)
Full-time caregiver	2 (1.3%)	0 (0%)	2 (1.0%)
Other, please specify	3 (1.9%)	3 (7.7%)	6 (3.0%)
Family caregivers past AI experience			
Yes	14 (8.8%)	2 (5.1%)	16 (8.0%)
No	146 (91.3%)	37 (94.9%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	89 (55.6%)	20 (51.3%)	109 (54.8%)
Somewhat knowledgeable	38 (23.8%)	8 (20.5%)	46 (23.1%)
Moderately knowledgeable	27 (16.9%)	10 (25.6%)	37 (18.6%)
Extremely knowledgeable	6 (3.8%)	0 (0%)	6 (3.0%)
Missing	0 (0%)	1 (2.6%)	1 (0.5%)

### ###TA CONSTRUCT

TAr.score.missing<-factor(is.na(TAr.score),labels=c("No missing construct score","Missing construct score"))
TA.assess.MD<-cbind(ELIG.variRNC2,TAr.score.missing)

table1(~`Age`+ `Gender`+ `Education`+

`Employment`+ `Family caregivers past AI experience`+

`Family caregivers' knowledge about AI`|TAr.score.missing,data=TA.assess.MD)

	No missing construct score (N=187)	Missing construct score (N=12)	Overall (N=199)
Age			
Mean (SD)	56.6 (5.49)	57.5 (5.65)	56.7 (5.49)

	No missing construct score (N=187)	Missing construct score (N=12)	Overall (N=199)
Median [Min, Max]	57.0 [45.0, 64.0]	59.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	120 (64.2%)	8 (66.7%)	128 (64.3%)
Man	67 (35.8%)	4 (33.3%)	71 (35.7%)
Education			
Elementary	1 (0.5%)	0 (0%)	1 (0.5%)
High school	41 (21.9%)	3 (25.0%)	44 (22.1%)
College / CEGEP	78 (41.7%)	4 (33.3%)	82 (41.2%)
Undergraduate	44 (23.5%)	4 (33.3%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	21 (11.2%)	1 (8.3%)	22 (11.1%)
Other, please specify	2 (1.1%)	0 (0%)	2 (1.0%)
Employment			
Full-time	84 (44.9%)	4 (33.3%)	88 (44.2%)
Part-time	20 (10.7%)	3 (25.0%)	23 (11.6%)
Unemployed	14 (7.5%)	1 (8.3%)	15 (7.5%)
Retired	62 (33.2%)	3 (25.0%)	65 (32.7%)
Full-time caregiver	2 (1.1%)	0 (0%)	2 (1.0%)
Other, please specify	5 (2.7%)	1 (8.3%)	6 (3.0%)
Family caregivers past AI experience			
Yes	15 (8.0%)	1 (8.3%)	16 (8.0%)
No	172 (92.0%)	11 (91.7%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	101 (54.0%)	8 (66.7%)	109 (54.8%)
Somewhat knowledgeable	45 (24.1%)	1 (8.3%)	46 (23.1%)
Moderately knowledgeable	34 (18.2%)	3 (25.0%)	37 (18.6%)
Extremely knowledgeable	6 (3.2%)	0 (0%)	6 (3.0%)
Missing	1 (0.5%)	0 (0%)	1 (0.5%)

PTr.score.missing<-factor(is.na(PTr.score),labels=c("No missing construct score","Missing construct score")) PT.assess.MD<-cbind(ELIG.variRNC2,PTr.score.missing)

`Family caregivers' knowledge about AI`|PTr.score.missing,data=PT.assess.MD)

	No missing construct score (N=182)	Missing construct score (N=17)	Overall (N=199)
Age			
Mean (SD)	56.4 (5.53)	59.7 (4.01)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	60.0 [49.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	117 (64.3%)	11 (64.7%)	128 (64.3%)
Man	65 (35.7%)	6 (35.3%)	71 (35.7%)
Education			
Elementary	1 (0.5%)	0 (0%)	1 (0.5%)
High school	38 (20.9%)	6 (35.3%)	44 (22.1%)
College / CEGEP	76 (41.8%)	6 (35.3%)	82 (41.2%)
Undergraduate	43 (23.6%)	5 (29.4%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	22 (12.1%)	0 (0%)	22 (11.1%)
Other, please specify	2 (1.1%)	0 (0%)	2 (1.0%)
Employment			
Full-time	82 (45.1%)	6 (35.3%)	88 (44.2%)
Part-time	19 (10.4%)	4 (23.5%)	23 (11.6%)
Unemployed	14 (7.7%)	1 (5.9%)	15 (7.5%)
Retired	59 (32.4%)	6 (35.3%)	65 (32.7%)
Full-time caregiver	2 (1.1%)	0 (0%)	2 (1.0%)
Other, please specify	6 (3.3%)	0 (0%)	6 (3.0%)
Family caregivers past AI experience			
Yes	15 (8.2%)	1 (5.9%)	16 (8.0%)
No	167 (91.8%)	16 (94.1%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	98 (53.8%)	11 (64.7%)	109 (54.8%)

	No missing construct score (N=182)	Missing construct score (N=17)	Overall (N=199)
Somewhat knowledgeable	43 (23.6%)	3 (17.6%)	46 (23.1%)
Moderately knowledgeable	34 (18.7%)	3 (17.6%)	37 (18.6%)
Extremely knowledgeable	6 (3.3%)	0 (0%)	6 (3.0%)
Missing	1 (0.5%)	0 (0%)	1 (0.5%)

#### ###PC CONSTRUCT

PCr.score.missing<-factor(is.na(PCr.score),labels=c("No missing construct score","Missing construct score"))
PC.assess.MD<-cbind(ELIG.variRNC2,PCr.score.missing)

table1(~`Age`+ `Gender`+ `Education`+

`Employment`+ `Family caregivers past AI experience`+

`Family caregivers' knowledge about AI`|PCr.score.missing,data=PC.assess.MD)

	No missing construct score (N=154)	Missing construct score (N=45)	Overall (N=199)
Age			
Mean (SD)	56.2 (5.61)	58.4 (4.73)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	59.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	97 (63.0%)	31 (68.9%)	128 (64.3%)
Man	57 (37.0%)	14 (31.1%)	71 (35.7%)
Education			
Elementary	0 (0%)	1 (2.2%)	1 (0.5%)
High school	29 (18.8%)	15 (33.3%)	44 (22.1%)
College / CEGEP	69 (44.8%)	13 (28.9%)	82 (41.2%)
Undergraduate	37 (24.0%)	11 (24.4%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	18 (11.7%)	4 (8.9%)	22 (11.1%)
Other, please specify	1 (0.6%)	1 (2.2%)	2 (1.0%)
Employment			
Full-time	73 (47.4%)	15 (33.3%)	88 (44.2%)
Part-time	16 (10.4%)	7 (15.6%)	23 (11.6%)
Unemployed	11 (7.1%)	4 (8.9%)	15 (7.5%)
Retired	49 (31.8%)	16 (35.6%)	65 (32.7%)
Full-time caregiver	2 (1.3%)	0 (0%)	2 (1.0%)
Other, please specify	3 (1.9%)	3 (6.7%)	6 (3.0%)
Family caregivers past AI experience			
Yes	15 (9.7%)	1 (2.2%)	16 (8.0%)
No	139 (90.3%)	44 (97.8%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	81 (52.6%)	28 (62.2%)	109 (54.8%)
Somewhat knowledgeable	39 (25.3%)	7 (15.6%)	46 (23.1%)
Moderately knowledgeable	28 (18.2%)	9 (20.0%)	37 (18.6%)
Extremely knowledgeable	5 (3.2%)	1 (2.2%)	6 (3.0%)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

#### ###CSA CONSTRUCT

CSA.score.missing<-factor(is.na(CSA.score),labels=c("No missing construct score", "Missing construct score"))
EA.assess.MD<-cbind(ELIG.variRNC2,CSA.score.missing)

table1(~`Age`+ `Gender`+ `Education`+

`Employment`+ `Family caregivers past AI experience`+

`Family caregivers' knowledge about AI` | CSA.score.missing,data=EA.assess.MD)

	No missing construct score (N=178)	Missing construct score (N=21)	Overall (N=199)
Age			
Mean (SD)	56.5 (5.59)	58.0 (4.50)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	59.0 [49.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	114 (64.0%)	14 (66.7%)	128 (64.3%)
Man	64 (36.0%)	7 (33.3%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	40 (22.5%)	4 (19.0%)	44 (22.1%)
College / CEGEP	71 (39.9%)	11 (52.4%)	82 (41.2%)

	No missing construct score (N=178)	Missing construct score (N=21)	Overall (N=199)
Undergraduate	44 (24.7%)	4 (19.0%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	20 (11.2%)	2 (9.5%)	22 (11.1%)
Other, please specify	2 (1.1%)	0 (0%)	2 (1.0%)
Employment			
Full-time	81 (45.5%)	7 (33.3%)	88 (44.2%)
Part-time	17 (9.6%)	6 (28.6%)	23 (11.6%)
Unemployed	12 (6.7%)	3 (14.3%)	15 (7.5%)
Retired	60 (33.7%)	5 (23.8%)	65 (32.7%)
Full-time caregiver	2 (1.1%)	0 (0%)	2 (1.0%)
Other, please specify	6 (3.4%)	0 (0%)	6 (3.0%)
Family caregivers past AI experience			
Yes	14 (7.9%)	2 (9.5%)	16 (8.0%)
No	164 (92.1%)	19 (90.5%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	97 (54.5%)	12 (57.1%)	109 (54.8%)
Somewhat knowledgeable	39 (21.9%)	7 (33.3%)	46 (23.1%)
Moderately knowledgeable	35 (19.7%)	2 (9.5%)	37 (18.6%)
Extremely knowledgeable	6 (3.4%)	0 (0%)	6 (3.0%)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

### #CHA CONSTRUCT

CHA.score.missing<-factor (is.na(CHA.score),labels=c("No missing construct score","Missing construct score")) table(CHA.score.missing)

```
## CHA.score.missing
## No missing construct score \,\, Missing construct score
     168 31
```

EA2.assess.MD<-cbind(ELIG.variRNC2,CHA.score.missing)

<sup>`</sup>Family caregivers' knowledge about AI`|CHA.score.missing,data=EA2.assess.MD)

	No missing construct score (N=168)	Missing construct score (N=31)	Overall (N=199)
Age			
Mean (SD)	56.4 (5.48)	58.1 (5.44)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	59.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	106 (63.1%)	22 (71.0%)	128 (64.3%)
Man	62 (36.9%)	9 (29.0%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	36 (21.4%)	8 (25.8%)	44 (22.1%)
College / CEGEP	71 (42.3%)	11 (35.5%)	82 (41.2%)
Undergraduate	41 (24.4%)	7 (22.6%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	17 (10.1%)	5 (16.1%)	22 (11.1%)
Other, please specify	2 (1.2%)	0 (0%)	2 (1.0%)
Employment			
Full-time	78 (46.4%)	10 (32.3%)	88 (44.2%)
Part-time	18 (10.7%)	5 (16.1%)	23 (11.6%)
Unemployed	10 (6.0%)	5 (16.1%)	15 (7.5%)
Retired	56 (33.3%)	9 (29.0%)	65 (32.7%)
Full-time caregiver	2 (1.2%)	0 (0%)	2 (1.0%)
Other, please specify	4 (2.4%)	2 (6.5%)	6 (3.0%)
Family caregivers past AI experience			
Yes	15 (8.9%)	1 (3.2%)	16 (8.0%)
No	153 (91.1%)	30 (96.8%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	91 (54.2%)	18 (58.1%)	109 (54.8%)
Somewhat knowledgeable	41 (24.4%)	5 (16.1%)	46 (23.1%)
Moderately knowledgeable	29 (17.3%)	8 (25.8%)	37 (18.6%)
Extremely knowledgeable	6 (3.6%)	0 (0%)	6 (3.0%)

	No missing construct score (N=168)	Missing construct score (N=31)	Overall (N=199)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

`Family caregivers' knowledge about AI`|BIr.score.missing,data=BI.assess.MD)

#### ###BI CONSTRUCT

```
BIr.score.missing<-factor(is.na(BIr.score),labels=c("No missing construct score","Missing construct score"))
BI.assess.MD<-cbind(ELIG.variRNC2,BIr.score.missing)

table1(~`Age`+ `Gender`+ `Education`+
   `Employment`+ `Family caregivers past AI experience`+
```

	No missing construct score (N=162)	Missing construct score (N=37)	Overall (N=199)
Age			
Mean (SD)	56.3 (5.57)	58.4 (4.80)	56.7 (5.49)
Median [Min, Max]	57.0 [45.0, 64.0]	60.0 [46.0, 64.0]	57.0 [45.0, 64.0]
Gender			
Woman	101 (62.3%)	27 (73.0%)	128 (64.3%)
Man	61 (37.7%)	10 (27.0%)	71 (35.7%)
Education			
Elementary	1 (0.6%)	0 (0%)	1 (0.5%)
High school	33 (20.4%)	11 (29.7%)	44 (22.1%)
College / CEGEP	71 (43.8%)	11 (29.7%)	82 (41.2%)
Undergraduate	37 (22.8%)	11 (29.7%)	48 (24.1%)
Post-graduate (e.g., Masters, Ph.D.)	19 (11.7%)	3 (8.1%)	22 (11.1%)
Other, please specify	1 (0.6%)	1 (2.7%)	2 (1.0%)
Employment			
Full-time	73 (45.1%)	15 (40.5%)	88 (44.2%)
Part-time	18 (11.1%)	5 (13.5%)	23 (11.6%)
Unemployed	12 (7.4%)	3 (8.1%)	15 (7.5%)
Retired	54 (33.3%)	11 (29.7%)	65 (32.7%)
Full-time caregiver	2 (1.2%)	0 (0%)	2 (1.0%)
Other, please specify	3 (1.9%)	3 (8.1%)	6 (3.0%)
Family caregivers past AI experience			
Yes	14 (8.6%)	2 (5.4%)	16 (8.0%)
No	148 (91.4%)	35 (94.6%)	183 (92.0%)
Family caregivers' knowledge about Al			
Not knowledgeable	86 (53.1%)	23 (62.2%)	109 (54.8%)
Somewhat knowledgeable	40 (24.7%)	6 (16.2%)	46 (23.1%)
Moderately knowledgeable	30 (18.5%)	7 (18.9%)	37 (18.6%)
Extremely knowledgeable	5 (3.1%)	1 (2.7%)	6 (3.0%)
Missing	1 (0.6%)	0 (0%)	1 (0.5%)

#Created a table of demographic/caregiving/Al-related variables comparing the entire sample versus those who have full/competed data of their mean construct scores

```
all<-row.names(as.data.frame(Constructs.num))
no.miss<-row.names(na.omit(as.data.frame(Constructs.num)))

merge.data<-rbind(ELIG.variRNC2,ELIG.variRNC2[as.numeric(no.miss),])
group<-c(rep("All",199),rep("No missing data",115))
merge.data<-cbind(merge.data,group)
table1(~.|group,merge.data)</pre>
```

	AII (N=199)	No missing data (N=115)
Survey's Language		
Français / French	173 (86.9%)	100 (87.0%)
English / Anglais	26 (13.1%)	15 (13.0%)
Age		
Mean (SD)	56.7 (5.49)	55.5 (5.77)
Median [Min, Max]	57.0 [45.0, 64.0]	56.0 [45.0, 64.0]
Gender		
Woman	128 (64.3%)	68 (59.1%)
Man	71 (35.7%)	47 (40.9%)
Education		

	AII (N=199)	No missing data (N=115)
Elementary	1 (0.5%)	0 (0%)
High school	44 (22.1%)	22 (19.1%)
College / CEGEP	82 (41.2%)	48 (41.7%)
Undergraduate	48 (24.1%)	30 (26.1%)
Post-graduate (e.g., Masters, Ph.D.)	22 (11.1%)	14 (12.2%)
Other, please specify	2 (1.0%)	1 (0.9%)
Responses to Education		
	197 (99.0%)	114 (99.1%)
Cours technique	1 (0.5%)	0 (0%)
École de métier	1 (0.5%)	1 (0.9%)
Employment		
Full-time	88 (44.2%)	56 (48.7%)
Part-time	23 (11.6%)	13 (11.3%)
Unemployed	15 (7.5%)	6 (5.2%)
Retired	65 (32.7%)	37 (32.2%)
Full-time caregiver	2 (1.0%)	2 (1.7%)
Other, please specify	6 (3.0%)	1 (0.9%)
Responses to Employment		(51511)
	193 (97.0%)	114 (99.1%)
À la maison	1 (0.5%)	0 (0%)
Aidant Naturel	0 (0%)	0 (0%)
aidant naturel à temps plein	0 (0%)	0 (0%)
at home	1 (0.5%)	0 (0%)
Homemaker	1 (0.5%)	0 (0%)
Invalide	0 (0%)	0 (0%)
Retour aux études	0 (0%)	0 (0%)
Travailleur autonome	1 (0.5%)	1 (0.9%)
Travailleurs autonomes	1 (0.5%)	0 (0%)
travailleuse autonome	1 (0.5%)	0 (0%)
Years Lived in Canada		
Mean (SD)	55.3 (9.07)	54.4 (8.70)
Median [Min, Max]	57.0 [7.00, 64.0]	56.0 [15.0, 64.0]
Relationship to care recipient - child		
Child	140 (70.4%)	83 (72.2%)
NO TO: Child	59 (29.6%)	32 (27.8%)
Relationship to care recipient - grandchild		
Grandchild	2 (1.0%)	1 (0.9%)
NO TO: Grandchild	197 (99.0%)	114 (99.1%)
Relationship to care recipient - spouse		
Spouse	20 (10.1%)	10 (8.7%)
NO TO: Spouse	179 (89.9%)	105 (91.3%)
Relationship to care recipient - sibiling		
Sibling	14 (7.0%)	8 (7.0%)
NO TO: Sibling	185 (93.0%)	107 (93.0%)
Relationship to care recipient - friend		
Friend	12 (6.0%)	9 (7.8%)
NO TO: Friend	187 (94.0%)	106 (92.2%)
Relationship to care recipient - Neighbour	, · · · · ·	. /
Neighbour	1 (0.5%)	1 (0.9%)
NO TO: Neighbour	198 (99.5%)	114 (99.1%)
Relationship to care recipient - other	.55 (55.676)	. (-2)
Other, please specify	12 (6.0%)	5 (4.3%)
NO TO: Other, please specify	187 (94.0%)	110 (95.7%)
	107 (94.070)	110 (30.1 /0)
Responses to relationship to care recipient	407 (04 00)	110 (05 70/)
hoou from	187 (94.0%)	110 (95.7%)
beau frere	1 (0.5%)	1 (0.9%)
beau père	1 (0.5%)	0 (0%)
Belle-mere	1 (0.5%)	0 (0%)
Belle-mère	3 (1.5%)	1 (0.9%)
belle-mère et beau-père	1 (0.5%)	0 (0%)

Part		All	No missing data
Compone team		(N=199)	
Design   10   10   10   10   10   10   10   1	brother	0 (0%)	0 (0%)
belief         10.09%         10.09%           gerder         10.09%         10.09%           Garcen         10.09%         10.09%           grant radia         0.00%         10.00%           manus         0.00%         10.00%           mare         0.00%         0.00%           mere         0.00%         0.00%           paramet         0.00%         0.00% <td>Conjointe de fait</td> <td>1 (0.5%)</td> <td>0 (0%)</td>	Conjointe de fait	1 (0.5%)	0 (0%)
	Daughter in law	1 (0.5%)	0 (0%)
	father	0 (0%)	0 (0%)
grammere         0,00%         0,00%           max mere         0,00%         0,00%           Mare         0,00%         0,00%           Mare         0,00%         0,00%           Mare         0,00%         0,00%           Mare         0,00%         0,00%           Moder         0,00%         0,00%           Parent         0,00%         0,00% <t< td=""><td>gendre</td><td>1 (0.5%)</td><td>1 (0.9%)</td></t<>	gendre	1 (0.5%)	1 (0.9%)
	Gendre	1 (0.5%)	1 (0.9%)
Mome         0,00%         0,00%           Percent         0,00%         0,00%           Percen         0,00%         0,00% <t< td=""><td>grand mère</td><td>0 (0%)</td><td>0 (0%)</td></t<>	grand mère	0 (0%)	0 (0%)
Mare         0 (0%)         0 (0%)           Miler         0 (0%)         0 (0%)           morbal         0 (0%)         0 (0%)           parent         0 (0%)         0 (0%)           parent         0 (0%)         0 (0%)           parent         0 (0%)         0 (0%)           parents         0 (0%)         0 (0%)           present         0 (0%)         0 (0%)           present<	ma mere	0 (0%)	0 (0%)
Mare         0,0%         0,0%           Mere         0,0%         0,0%           More         0,0%         0,0%           More         0,0%         0,0%           Parent         0,0%         0,0%           Parent         0,0%         0,0%           Parents	mere	0 (0%)	0 (0%)
Modes         0,0%         0,0%           mother         0,0%         0,0%           pared         0,0%         0,0%           pareds         0,0%         0,0%           pareds         0,0%         0,0%           pareds         0,0%         0,0%           Parents         0,0%         0,0%           Parents         0,0%         0,0%           Parents Place at Mare         0,0%         0,0%           pare         0,0%         0,0%           pared         0,0%         0,0%           pared         0,0         0,0           pared         0,0	Mere	0 (0%)	0 (0%)
Inchange         0,0%         0,0%           Mother         0,0%         0,0%           permet         0,0%         0,0%           parents         0,0%         0,0%           permets         0,0%         0,0%           Permits         0,0%         0,0%	mère	0 (0%)	0 (0%)
Money gament         0 (%)	Mère	0 (0%)	0 (0%)
panell         0,0%         0,0%           Panell         0,0%         0,0%           parells         0,0%         0,0%           Paretals         0,0%         0,0%           Paretals         0,0%         0,0%           Paretals         0,0%         0,0%           Paretal         0,0%         0,0%           Pare         0,0%         0,0%           Pare         0,0%         0,0%           Tamel         0,0%         0,0%           unw skine         0,0%         0,0%           Using arrangement-thring with the family caregiver         10,0%         10,0%           Using given the family caregiver         30,0%         41,05,7%           No To Living with the family caregiver         30,0%         41,05,7%           Living arrangement-thring inclong-term carefuncting the merits with the family caregiver         11,05,0%         41,05,7%           Living arrangement-thring inclong-term carefuncting income term to merit         10,0%         45,00%         45,00%           No To Living independently in conts on home         11,0%         45,00%         45,00%         45,00%         45,00%         45,00%         45,00%         45,00%         45,00%         45,00%         45,00%         45,0	mother	0 (0%)	0 (0%)
Parent         0.0%         0.0%           Parents         0.0%         0.0%           Parents         0.0%         0.0%           Parents         0.0%         0.0%           Parent         0.0%         0.0%           Table         0.0%         1.0%           Intell         0.0%         0.0%           Table         0.0%         1.0%           NO To-Using with the family caregiver         86 0.32%         1.405%           NO To-Using independently in one's own home         81 0.47%         1.450%           Living independently in one's own home         1.00 0.0%         1.00 0.0%           NO To-Using in independently in one's own home         1.00 0.0%         1.00 0.0%           NO To-Using in independently in one's own home         1.00 0.0%         1.00 0.0%           Living arrangement - Ilving independently in one's own home         1.00 0.0%         1.00 0.0%           Living independently in one's own home         1.00 0.0%         1	Mother	0 (0%)	0 (0%)
pasentis         0,0%         0,0%           Pasentis Brite et Metre         0,0%         0,0%           pase         0,0%         0,0%           pee         0,0%         0,0%           Iarla         1,0,0%         0,0%           Using writh the family caregiver         38,62.2%         41,05.2%           Living arrangement - Ilving independently in one's own home         33,62.2%         42,02.3%           Using arrangement - Ilving independently in one's own home         36,34.7%         45,02.3%           Living arrangement - Ilving in independently in one's own home         45,02.0%         26,00.0%           Living arrangement - Ilving in independently in one's own home         45,02.0%         26,00.0%           Living arrangement - Ilving in independent promotesidential home         45,02.0%         26,00.0%           NO TO. Living independent promotesidential home         45,02.0%         26,00.0%           Riving arrangement - Ilving in independent promotesidential ho	parent	0 (0%)	0 (0%)
Parents         0 (%)         0 (%)           Parents         0 (%)         0 (%)           Pare         0 (%)         0 (%)           Pare         0 (%)         0 (%)           Parent         0 (%)         0 (%)	Parent	0 (0%)	0 (0%)
Parents Pére et Mere         0,0%         0,0%           Pere         0,0%         0,0%           Père         0,0%         0,0%           Père         0,0%         0,0%           Père         0,0%         0,0%           Tanle         1,0,5%         1,0,5%           Unique voisine         1,0,5%         1,0,5%           Living arrangement - Iving with the family caregiver         68,634.2%         41,257.8%           Living arrangement - Iving independently in one's own home         88,342.5%         46,589.1%           Living arrangement - Iving independently in one's own home         33,417.5%         46,589.1%           NO TO Living independently in one's own home         33,417.5%         45,589.1%           NO TO Living independently in one's own home         33,417.5%         45,589.1%           NO TO Living independently in one's own home         45,225.8%         28,248.9%           NO TO Living independently in one's own home         45,225.8%         28,248.9%           NO TO Living independently in one's own home         45,225.8%         28,248.9%           NO TO Chira post contracting in one's estimated home         45,225.8%         28,248.9%           NO TO Chira post contracting in one's estimated home         40,00%         0,00% <t< td=""><td>parents</td><td>0 (0%)</td><td>0 (0%)</td></t<>	parents	0 (0%)	0 (0%)
pere         0.0%         0.0%           pbee         0.0%         0.0%           pbee         0.0%         0.0%           pbee         0.0%         0.0%           Tance         0.0%         0.0%           turn ovisine         0.0%         0.0%           Living arrangement - living with the family caregiver         20         4.0.5%           Living surplement - living with the family caregiver         31.05.5%         7.0.0%           Living independently in one's own home         36.34.1%         45.03.1%           No TC: Living independently in one's own home         36.34.1%         45.02.0%           No TC: Living independently in one's own home         36.47.2%         28.04.0%           Living interper accertaintysing home/residential home         45.02.0%         28.04.0%           No TC: Living in long-term careliurusing home/residential home         8.40.0%         36.07.5%           Living interper accertaintysing home/residential home         8.40.0%         36.05.5%           No TC: Living in long-term careliurusing home/residential home         8.40.0%         36.05.5%           Living arrangement - living         8.40.0%         36.05.5%           Living arrangement - living acceptance	Parents	0 (0%)	0 (0%)
Pere         0 (0%)         0 (0%)           pier         0 (0%)         0 (0%)           Pare         0 (0%)         0 (0%)           Tainel         1 (0.0%)         1 (0.0%)           Living arrangement - living with the family caregiver         8 (8.12%)         4 (18.5%)           Living arrangement - living with the family caregiver         8 (8.12%)         4 (18.5%)           NO TO: Living arrangement - living independently in one's own home         8 (8.12%)         4 (8.3%)           Living arrangement - living independently in one's own home         8 (8.12%)         4 (8.28%)           NO TO: Living independently in one's own home         4 (8.28%)         2 (8.24%)           Living arrangement - living in long-term careinursing home/residential home         4 (8.22%)         2 (8.24%)           NO TO: Living in long-term careinursing home/residential home         4 (8.22%)         2 (8.24%)         3 (8.17%)         4 (8.25%)         2 (8.24%) </td <td>Parents Père et Mere</td> <td>0 (0%)</td> <td>0 (0%)</td>	Parents Père et Mere	0 (0%)	0 (0%)
pere         0.0 (%)         0.0 (%)           Pere         0.0 (%)         0.0 (%)           Tanle         0.0 (%)         10.0 (%)           Living arrangement - living with the family caregiver         86 (8.4 %)         41 (3.5 %)           Living arrangement - living independently in one's own home         86 (8.4 %)         41 (3.5 %)           Living arrangement - living independently in one's own home         88 (41.7 %)         45 (3.8 %)           Living arrangement - living independently in one's own home         88 (41.7 %)         45 (3.8 %)           Living arrangement - living in long-term care/invarisg home/residential home         16 (5.6 %)         70 (60.9 %)           Living arrangement - living in long-term care/invarisg home/residential home         15 (4.7 %)         87 (75.7 %)           Living arrangement - RPA or equivalent         8 (4.0 %)         10 (65.0 %)         10 (65.0 %)           N TO C. PRA or equivalent         8 (4.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)           Living arrangement - other         0.0 (%)         0.0 (%)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         10 (65.0 %)         <	pere	0 (0%)	0 (0%)
Pêre         0.00%         0.00%           Tante         0.00%         0.00%           Loing         0.00%         0.00%           Loing arrangement - Ilving with the family caregiver         68.24.20         41.25.76           Loing with the family caregiver         131.65.89         41.25.76           No TO: Living independently in one's own home         131.65.89         47.46.43.89           No TO: Living independently in one's own home         136.65.80         70.00.99           No TO: Living independently in one's own home         45.26.26         28.24.30           No TO: Living in long-term care/nursing home/residential home         45.27.60         28.24.30           Living arrangement - Ilving in long-term care/nursing home/residential home         45.27.75         87.75.75           No TO: Living or careal in long-term care/nursing home/residential home         45.47.74         87.75.75           No TO: Living arrangement - Plan or equivalent         31.90.60         56.43.80           RPA or equivalent         19.10.60         10.00         10.00           No TO: Circh equivalent         19.10.60         10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.00         10.00	Pere	0 (0%)	0 (0%)
Inside         10.05%         10.05%           Univo une voice         0.00%         20.00%           Living arrangement - living with the family caregiver         68.03.42%         41.05.7%           It Ving with the family caregiver         68.03.42%         41.05.7%           No TO: Living with the family caregiver         88.03.42%         41.05.7%           Living arrangement - living independently in one's own home         88.04.12%         45.03.1%           Living arrangement - living independently in one's own home         88.04.02%         45.03.1%           No TO: Living independently in one's own home         45.02.05%         28.04.40%           Living arrangement - living in Independently in one's own home         45.02.05%         28.04.40%           Living arrangement - living in Independently in one's own home         45.02.05%         28.04.40%           Living arrangement - living in Independently in one's own home         45.02.05%         28.04.40%           Living arrangement - living in Independently in one's own home         45.02.05%         28.04.40%           Living arrangement - living in Independently in one's own home         46.02.05%         28.04.40%           RPA or equivalent         48.02.05%         28.04.40%         28.04.40%           Living arrangement - durangement - durangement - durangement - durangement - durangement - durangement -	père	0 (0%)	0 (0%)
Living arrangement - living with the family caregiver         86 (34.2%)         4 (1.05.7%)           Living with the family caregiver         86 (34.2%)         4 (1.05.7%)           NO TO: Living with the family caregiver         31 (65.8%)         7 (4 (64.3%)           Living arrangement - living independently in one's own home         31 (16.5%)         7 (60.0%)           Living independently in one's own home         31 (16.5%)         7 (60.0%)           NO TO: Living independently in one's own home         45 (22.6%)         28 (24.3%)           Living a rangement - living in long-term carefururing home/residential home         45 (22.6%)         28 (24.3%)           NO TO: How in long-term carefururing home/residential home         45 (22.6%)         28 (24.3%)           NO TO: RPA or equivalent         84 (4.0%)         5 (4.3%)           NO TO: RPA or equivalent         84 (4.0%)         5 (4.3%)           NO TO: RPA or equivalent         84 (4.0%)         10 (0%)           Other, please specify         190 (10%)         10 (0%)           NO TO: RPA Or equivalent         190 (00%)         10 (0%)           Elle vie avec as a secur et mol je m'occupe d'elle aux besoin         10 (0%)         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family membe	Père	0 (0%)	0 (0%)
Living arrangement - living with the family caregiver         41 (35.7%)           Living arrangement - living independently in one's own home         31 (65.8%)         74 (43.3%)           Living arrangement - living independently in one's own home         83 (41.7%)         44 (39.1%)           Living arrangement - living independently in one's own home         16 (65.8%)         70 (60.9%)           Living arrangement - living independently in one's own home         45 (22.6%)         28 (24.3%)           Living arrangement - living in long-term care/nursing home/residential home         45 (22.6%)         28 (24.3%)           Living arrangement - living in long-term care/nursing home/residential home         45 (22.6%)         28 (24.3%)           Living arrangement - living in long-term care/nursing home/residential home         45 (22.6%)         28 (24.3%)           Living arrangement - RPA or equivalent         8 (4.0%)         5 (4.3%)           Living arrangement - other         9 (0.0%)         10 (0.6%)           Civing arrangement - other         199 (100%)         115 (100.6%)           Responses to living arrangement         199 (100%)         115 (100.6%)           Living with anciter family in moccup d'elle aux besoin         9 (0.0%)         0 (0.0%)           Elle vie ave as soeur et mai je moccup d'elle aux besoin         9 (0.0%)         0 (0.0%)           Living with anc	Tante	1 (0.5%)	1 (0.9%)
Living with the family caregiver   13 (16.58)   74 (64.38)   No To Living with the family caregiver   74 (64.38)   No To Living with the family caregiver   13 (16.58)   74 (64.38)   Living arrangement—living independently in one's own home   18 (14.78)   45 (39.18)   No To Living independently in one's own home   18 (14.78)   45 (39.18)   Living arrangement—living in long-term care/nursing home/residential home   15 (22.68)   28 (24.38)   No To Living in long-term care/nursing home/residential home   15 (47.74)   15 (27.78)   Living arrangement - RPA or equivalent   19 (19.68)   19 (19.68)   19 (19.68)   No To C. RPA or equivalent   19 (19.68)   19 (19.68)   19 (19.68)   No To C. RPA or equivalent   19 (19.68)   19 (19.68)   19 (19.68)   19 (19.68)   No To C. RPA or equivalent   19 (19.68)   19 (19	une voisine	0 (0%)	0 (0%)
No To: Living with the family caregiver         7,4 (64.3%)           Living arrangement - Iving independently in one's own home         83 (41.7%)         45 (39.1%)           Living independently in one's own home         16 (68.3%)         70 (60.9%)           Living independently in one's own home         16 (68.3%)         70 (60.9%)           Living arrangement - Iving in long-term care/mursing home/residential home         45 (22.6%)         28 (24.3%)           No To: Living in long-term care/mursing home/residential home         45 (22.6%)         28 (24.3%)           No To: RPA or equivalent         8 (4.0%)         5 (3.4%)           No To: RPA or equivalent         18 (4.0%)         5 (3.4%)           No To: PRA or equivalent         9 (0%)         10 (0%)         10 (0%)           No To: PRA or equivalent         9 (0%)         10 (0%)         20 (0%)           No To: RPA or equivalent         9 (0%)         10 (0%)         20 (0%)           No To: RPA or equivalent         9 (0%)         10 (0%)         20 (0%)           No To: RPA or equivalent         9 (0%)         10 (0%)         20 (0%)           No To: Preplace specify         9 (0%)         10 (0%)         20 (0%)           Reap careaution of the activation of the preplace specify         9 (0%)         10 (0%)         20 (0%)	Living arrangement - living with the family caregiver		
Living arrangement - living independentity in one's own home         83 (41,7%)         45 (39.1%)           Living independentity in one's own home         83 (41,7%)         70 (50.9%)           Living arrangement - living in long-term care/nursing home/residential home         45 (22.6%)         28 (24.3%)           Living arrangement - living in long-term care/nursing home/residential home         154 (77.4%)         87 (75.7%)           Living arrangement - RPA or equivalent         8 (4.0%)         5 (4.3%)           RPA or equivalent         8 (4.0%)         10 (95.7%)           No TO: RPA or equivalent         9 (90%)         10 (95.7%)           Ching arrangement - other         9 (90%)         10 (96.7%)           Ching please specify         99 (100%)         115 (100.5%)           No TO: Diving, please specify         199 (100%)         115 (100.5%)           No TO: Other, please specify         199 (100%)         10 (96.7%)           Responses to living arrangement         199 (100%)         10 (96.7%)           Elle vie sie se see sa seeu ret moi je m'occupe d'eile aux besoin         9 (90%)         0 (96%)           Elle vie sie se see sa seeu ret moi je m'occupe d'eile aux besoin         0 (9%)         0 (96%)           Living with another family member         0 (9%)         0 (9%)         0 (9%)           RPA	Living with the family caregiver	68 (34.2%)	41 (35.7%)
Living independently in one's own home	NO TO: Living with the family caregiver	131 (65.8%)	74 (64.3%)
No To: Living independently in one's own home         116 (58.3%)         70 (60.9%)           Living arrangement - Irving in long-term care/nursing home/residential home         45 (22.6%)         28 (24.3%)           No To: Living in long-term care/nursing home/residential home         154 (77.4%)         28 (24.3%)           No To: Living in long-term care/nursing home/residential home         154 (77.4%)         28 (26.5%)           Living arrangement - RPA or equivalent         8 (4.0%)         5 (4.3%)           No To: RPA or equivalent         8 (4.0%)         5 (4.3%)           Living arrangement - other         20 (0%)         10 (0%)         10 (0%)           Living arrangement - other         199 (10%)         115 (10%)         10 (0	Living arrangement - living independently in one's own home		
Living arrangement - living in long-term care/nursing home/residential home         45 (22 6%)         28 (24 3%)           Living in long-term care/nursing home/residential home         155 (26 6%)         28 (24 3%)           NO TO: Living in long-term care/nursing home/residential home         37 (75 7%)           Living arrangement - RPA or equivalent         8 (4.0%)         5 (4.3%)           RPA or equivalent         191 (96.0%)         110 (95.7%)           NO TO: RPA or equivalent         99 (100%)         10 (0%)           Living arrangement - tother         99 (100%)         15 (100%)           Other, please specify         99 (100%)         15 (100%)           NO TO: Other, please specify         99 (100%)         15 (100%)           NO TO: Other, please specify         99 (100%)         15 (100%)           Responses to living arrangement         99 (100%)         15 (100%)           Elle vie avec as soeur et moi je m'occupe d'elle aux besoin         90 (0%)         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement semi autonome         0 (0%)         0 (0%)           RPA         10 (0%)         0 (0%)           RPA ace plusieurs services	Living independently in one's own home	83 (41.7%)	45 (39.1%)
Living in long-term care/nursing home/residential home	NO TO: Living independently in one's own home	116 (58.3%)	70 (60.9%)
NO TO: Living in long-term care/nursing home/residential home         154 (77.4%)         87 (75.7%)           Living arrangement - RPA or equivalent         8 (4.0%)         5 (4.3%)           RPA or equivalent         191 (96.0%)         5 (4.3%)           NO TO: RPA or equivalent         191 (96.0%)         10 (0%)           Living arrangement - other         20 (0%)         0 (0%)         0 (0%)           Other, please specify         199 (100%)         115 (100%)         115 (100%)           Responses to living arrangement         199 (100%)         115 (100%)         10 (0%)         0 (0%)           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         0 (0%)         0 (0%)         0 (0%)         0 (0%)           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         0 (0%)               0 (0%)               0 (0%)           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         0 (0%)               0 (0%)               0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)               0 (0%)               0 (0%)           RPA         10 (0%)         0 (0%)         0 (0%)         0 (0%)         0 (0%)           RPA         10 (0%)         0 (0%)         0 (0%)         0 (0%)         0 (0%)	Living arrangement - living in long-term care/nursing home/residential home		
Living arrangement - RPA or equivalent         8 (4.0%         5 (4.3%)           RPA or equivalent         191 (96.0%         110 (95.7%)           NO TO: RPA or equivalent         9 (10%)         110 (95.7%)           Living arrangement - other         9 (0%)         0 (0%)         0 (0%)           Other, please specify         199 (100)         115 (100%)           NO TO: Other, please specify         199 (100)         115 (100%)           Responses to living arrangement         199 (100)         115 (100%)           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         0 (0%)         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA aven millieu familial         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           Vit dans a maison avec son mari         1 (67 (83.9%)         98 (86.2%)           2         2 (1.0%)         2 (1.0%)         2 (1.0%)           2	Living in long-term care/nursing home/residential home	45 (22.6%)	28 (24.3%)
RPA or equivalent         8 (4.0%)         5 (4.3%)           NO TO: RPA or equivalent         191 (96.0%)         110 (95.7%)           Living arrangement - other         30 (0%)         0 (0%)         0 (0%)           NO TO: Other, please specify         199 (100%)         115 (100%)           NO TO: Other, please specify         199 (100%)         115 (100%)           Responses to living arrangement         199 (100%)         115 (100%)           Elle vie avec as aceur et moi je m'occupe d'elle aux besoin         0 (0%)         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA aemi-autonome         0 (0%)         0 (0%)           Vit dans sa maison avec son mari         0 (0%)         0 (0%)           Number of lotler adults the family caregiver is caring for         1         1 (67 (83.9%)         98 (85.2%)           2         2         2         1 (5 (10%)         0 (0%)           3         0 (0%)         0 (0%)	NO TO: Living in long-term care/nursing home/residential home	154 (77.4%)	87 (75.7%)
NO TO: RRA or equivalent         191 (96.0%)         110 (95.7%)           Living arrangement - other         70 (70 (70 (70 (70 (70 (70 (70 (70 (70 (	Living arrangement - RPA or equivalent		
Living arrangement - other         Cher, please specify         0 (0%)         0 (0%)           NO TO: Other, please specify         199 (100%)         115 (100%)           Responses to living arrangement           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         199 (100%)         10 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           Logement semi autonome         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           Vit dans sa maison avec son mari         0 (0%)         0 (0%)           Number of older adults the family caregiver is caring for         167 (83.9%)         98 (85.2%)           2         29 (14.6%)         15 (13.0%)         15 (13.0%)           3         0 (0%)         2 (1.0%)         2 (1.7%)           4 or more         2 (1.0%)         2 (1.7%)         2 (1.7%)           Missing         1 (0.5%)         0 (0%)         10 (0%) </td <td>RPA or equivalent</td> <td>8 (4.0%)</td> <td>5 (4.3%)</td>	RPA or equivalent	8 (4.0%)	5 (4.3%)
Other, please specify         0 0%         0 0%           NO TO: Other, please specify         199 (100%)         115 (100%)           Responses to living arrangement         99 (100%)         115 (100%)           Elle vie avec sa soeur et moi je n'occupe d'elle aux besoin         0 0%         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 0%         0 0%           Living with another family member         0 0%         0 0%           Logement personnel dans une rpa         0 0%         0 0%           RPA         0 0%         0 0%         0 0%           RPA avec plusieurs services         0 0%         0 0%         0 0%           RPA semi-autonome         0 0%         0 0%         0 0%           RPA semi-autonome         0 0%         0 0%         0 0%           RPA semi-autonome         0 0%         0 0%         0 0%           Winder of older adults the family caregiver is caring for         1         1 67 68.3 %         98 68.52%           Living as maison avec son mari         1 67 68.3 %         98 68.52%         1 51 (3 0%)         98 68.52%         1 51 (3 0%)         98 68.52%         1 51 (3 0%)         98 68.52%         1 51 (3 0%)         98 68.52%         1 51 (3 0%)         98 68.52%         1 51 (3 0%)	NO TO: RPA or equivalent	191 (96.0%)	110 (95.7%)
NO TO: Other, please specify         199 (100%)         115 (100%)           Responses to living arrangement         199 (100%)         115 (100%)           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         0 (0%)         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           Logement semi autonome         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)         0 (0%)           Number of older adults the family caregiver is caring for         1         1 67 (83.9%)         98 (85.2%)           1         2         29 (14.6%)         15 (13.0%)         9 (0%)           2         2         29 (14.6%)         15 (13.0%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)         16 (10%)	Living arrangement - other		
Responses to living arrangement         199 (100%)         115 (100%)           Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin         0 (0%)         0 (0%)           Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA en millieu familial         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           Vit dans sa maison avec son mari         1 (67)         0 (0%)           Number of older adults the family caregiver is caring for         1 (67)         98 (85.2%)           2         29 (14.6%)         15 (13.0%)           3         0 (0%)         0 (0%)           4 or more         2 (10.0%)         2 (1.7%)           Missing         1 (0.5%)         0 (0%)           Number of years the family caregiver has been a caregiver         5 (2.1%)         0 (0%)	Other, please specify	0 (0%)	0 (0%)
199 (100%)   115 (100%)   16 (100%)   10 (0%	NO TO: Other, please specify	199 (100%)	115 (100%)
Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin       0 (0%)       0 (0%)         Habitent dans logement loué de façon semi-Autonome       0 (0%)       0 (0%)         Living with another family member       0 (0%)       0 (0%)         Logement personnel dans une rpa       0 (0%)       0 (0%)         Logement semi autonome       0 (0%)       0 (0%)         RPA       0 (0%)       0 (0%)         RPA avec plusieurs services       0 (0%)       0 (0%)         RPA en milieu familial       0 (0%)       0 (0%)         RPA semi-autonome       0 (0%)       0 (0%)         Vit dans sa maison avec son mari       0 (0%)       0 (0%)         Number of older adults the family caregiver is caring for       1       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)       3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)       0 (0%)       0 (0%)         Missing       1 (0.5%)       0 (0%)       0 (0%)       0 (0%)         Number of years the family caregiver has been a caregiver       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)       0 (0%)	Responses to living arrangement		
Habitent dans logement loué de façon semi-Autonome         0 (0%)         0 (0%)           Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           Logement semi autonome         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA en milieu familial         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           Vit dans sa maison avec son mari         0 (0%)         0 (0%)           Number of older adults the family caregiver is caring for         1         167 (83.9%)         98 (85.2%)           2         29 (14.6%)         15 (13.0%)           3         0 (0%)         0 (0%)           4 or more         2 (1.0%)         2 (1.7%)           Missing         1 (0.5%)         0 (0%)           Number of years the family caregiver has been a caregiver         5 (1.7%)         5 (1.7%)		199 (100%)	115 (100%)
Living with another family member         0 (0%)         0 (0%)           Logement personnel dans une rpa         0 (0%)         0 (0%)           Logement semi autonome         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA en milieu familial         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           Vit dans sa maison avec son mari         0 (0%)         0 (0%)           Number of older adults the family caregiver is caring for         1         167 (83.9%)         98 (85.2%)           2         29 (14.6%)         15 (13.0%)         3         0 (0%)         0 (0%)           4 or more         2 (1.0%)         2 (1.7%)         0 (0%)         0 (0%)           Missing         1 (0.5%)         0 (0%)         0 (0%)         0 (0%)	Elle vie avec sa soeur et moi je m'occupe d'elle aux besoin	0 (0%)	0 (0%)
Logement personnel dans une rpa         0 (0%)         0 (0%)           Logement semi autonome         0 (0%)         0 (0%)           RPA         0 (0%)         0 (0%)           RPA avec plusieurs services         0 (0%)         0 (0%)           RPA en milieu familial         0 (0%)         0 (0%)           RPA semi-autonome         0 (0%)         0 (0%)           Vit dans sa maison avec son mari         0 (0%)         0 (0%)           Number of older adults the family caregiver is caring for         1         167 (83.9%)         98 (85.2%)           2         29 (14.6%)         15 (13.0%)           3         29 (14.6%)         15 (13.0%)           4 or more         2 (1.0%)         2 (1.7%)           Missing         1 (0.5%)         0 (0%)           Number of years the family caregiver has been a caregiver         5 (10.0%)         5 (10.0%)	Habitent dans logement loué de façon semi-Autonome	0 (0%)	0 (0%)
Logement semi autonome       0 0%       0 0%         RPA       0 0%       0 0%         RPA avec plusieurs services       0 0%       0 0%         RPA en millieu familial       0 0%       0 0%         RPA semi-autonome       0 0%       0 0%         Vit dans sa maison avec son mari       0 0%       0 0%         Number of older adults the family caregiver is caring for       1       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)       3       15 (13.0%)       0 0%       0 0%)         4 or more       2 (1.0%)       2 (1.7%)       0 0%       0 0%)       0 0%)         Missing       1 (0.5%)       0 0	Living with another family member	0 (0%)	0 (0%)
RPA       0 (0%)       0 (0%)         RPA avec plusieurs services       0 (0%)       0 (0%)         RPA en milieu familial       0 (0%)       0 (0%)         RPA semi-autonome       0 (0%)       0 (0%)         Vit dans sa maison avec son mari       0 (0%)       0 (0%)         Number of older adults the family caregiver is caring for       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver       5 (10.5%)       0 (0%)	Logement personnel dans une rpa	0 (0%)	0 (0%)
RPA avec plusieurs services       0 (0%)       0 (0%)         RPA en milieu familial       0 (0%)       0 (0%)         RPA semi-autonome       0 (0%)       0 (0%)         Vit dans sa maison avec son mari       0 (0%)       0 (0%)         Number of older adults the family caregiver is caring for       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	Logement semi autonome	0 (0%)	0 (0%)
RPA en milieu familial       0 (0%)       0 (0%)         RPA semi-autonome       0 (0%)       0 (0%)         Vit dans sa maison avec son mari       0 (0%)       0 (0%)         Number of older adults the family caregiver is caring for       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	RPA	0 (0%)	0 (0%)
RPA semi-autonome       0 (0%)       0 (0%)         Vit dans sa maison avec son mari       0 (0%)       0 (0%)         Number of older adults the family caregiver is caring for       T       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	RPA avec plusieurs services	0 (0%)	
Vit dans sa maison avec son mari       0 (0%)       0 (0%)         Number of older adults the family caregiver is caring for       Vit dans sa maison avec son mari       Vit dans sa maison avec son mari       0 (0%)       0 (0%)         1       167 (83.9%)       98 (85.2%)       29 (14.6%)       15 (13.0%)         3       0 (0%)	RPA en milieu familial	0 (0%)	0 (0%)
Number of older adults the family caregiver is caring for         1       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	RPA semi-autonome	0 (0%)	0 (0%)
1       167 (83.9%)       98 (85.2%)         2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	Vit dans sa maison avec son mari	0 (0%)	0 (0%)
2       29 (14.6%)       15 (13.0%)         3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	Number of older adults the family caregiver is caring for		
3       0 (0%)       0 (0%)         4 or more       2 (1.0%)       2 (1.7%)         Missing       1 (0.5%)       0 (0%)         Number of years the family caregiver has been a caregiver	1	167 (83.9%)	98 (85.2%)
4 or more 2 (1.0%) 2 (1.7%) Missing 1 (0.5%) 0 (0%)  Number of years the family caregiver has been a caregiver	2	29 (14.6%)	15 (13.0%)
Missing 1 (0.5%) 0 (0%)  Number of years the family caregiver has been a caregiver	3	0 (0%)	0 (0%)
Number of years the family caregiver has been a caregiver	4 or more	2 (1.0%)	2 (1.7%)
	Missing	1 (0.5%)	0 (0%)
Mean (SD) 7.66 (6.94) 7.65 (7.44)			
	Mean (SD)	7.66 (6.94)	7.65 (7.44)

	AII (N=199)	No missing data (N=115)
Median [Min, Max]	6.00 [0, 56.0]	6.00 [0, 56.0]
Estimated number of hours of care per week provided by the family caregiver		
Mean (SD)	16.1 (19.5)	17.1 (20.2)
Median [Min, Max]	10.0 [0, 168]	10.0 [0, 168]
Missing	1 (0.5%)	1 (0.9%)
Tasks family caregivers perform - Medical/nursing care		
Medical/nursing care (e.g., operating medical equipment like a catheter, providing wound care, assisting with medications/injections)	40 (20.1%)	25 (21.7%)
NO TO: Medical/nursing care (e.g., operating medical equipment like a catheter, providing wound care, assisting with medications/injections)	159 (79.9%)	90 (78.3%)
Tasks family caregivers perform - Care coordinator		,,
Care coordinator (e.g., communicate with healthcare providers, translator, schedule appointments)	127 (63.8%)	73 (63.5%)
NO TO: Care coordinator (e.g., communicate with healthcare providers, translator, schedule appointments)	72 (36.2%)	42 (36.5%)
Tasks family caregivers perform - Psychosocial care  Psychosocial care (e.g., emotional support, companionship)	140 (70.4%)	83 (72.2%)
NO TO: Psychosocial care (e.g., emotional support, companionship)	59 (29.6%)	32 (27.8%)
Tasks family caregivers perform - Daily living activities	00 (20.070)	02 (27.070)
Daily living activities (e.g., dressing, feeding, toileting, transferring)	70 (35.2%)	41 (35.7%)
NO TO: Daily living activities (e.g., dressing, feeding, toileting, transferring)	129 (64.8%)	74 (64.3%)
Tasks family caregivers perform - Household tasks	, ,	, ,
Household tasks (e.g., home maintenance, grocery shopping, laundry)	142 (71.4%)	79 (68.7%)
NO TO: Household tasks (e.g., home maintenance, grocery shopping, laundry)	57 (28.6%)	36 (31.3%)
Tasks family caregivers perform - Transportation		
Transportation (e.g., driving the older adult to appointments)	133 (66.8%)	75 (65.2%)
NO TO: Transportation (e.g., driving the older adult to appointments)	66 (33.2%)	40 (34.8%)
Tasks family caregivers perform - Substitute decision-maker		
Substitute decision-maker (e.g., making health, legal and financial decisions on behalf of the older care recipient who is unable to)	87 (43.7%)	51 (44.3%)
NO TO: Substitute decision-maker (e.g., making health, legal and financial decisions on behalf of the older care recipient who is unable to)	112 (56.3%)	64 (55.7%)
Tasks family caregivers perform - Other		
Other, please specify	3 (1.5%)	3 (2.6%)
NO TO: Other, please specify	196 (98.5%)	112 (97.4%)
Responses to the tasks family caregivers perform		
	196 (98.5%)	112 (97.4%)
Commissions diverses	1 (0.5%)	1 (0.9%)
Épicerie	0 (0%)	0 (0%)
Mémoire  Moi vas son médecin avec elle et si besoin de quoi se soie moi téléphone pour elle	1 (0.5%) 0 (0%)	1 (0.9%) 0 (0%)
ramasser de la merde et laver mettre des couches	0 (0%)	0 (0%)
Répit	1 (0.5%)	1 (0.9%)
surveillance immédiate maison intergénérationelle	0 (0%)	0 (0%)
Family caregivers past Al experience	0 (070)	0 (070)
Yes	16 (8.0%)	14 (12.2%)
No	183 (92.0%)	101 (87.8%)
Al technology family caregivers have used before - Al-based wearable devices	, ,	, ,
Al-based wearable devices	11 (5.5%)	10 (8.7%)
NO TO: Al-based wearable devices	5 (2.5%)	4 (3.5%)
Missing	183 (92.0%)	101 (87.8%)
Al technology family caregivers have used before - Al-based assistive technology		
Al-based assistive technology	4 (2.0%)	4 (3.5%)
NO TO: Al-based assistive technology	12 (6.0%)	10 (8.7%)
Missing	183 (92.0%)	101 (87.8%)
Al technology family caregivers have used before - Al-based chatbots/virtual assistants		
Al-based chatbots/virtual assistants	2 (1.0%)	1 (0.9%)
NO TO: Al-based chatbots/virtual assistants	14 (7.0%)	13 (11.3%)
Missing	183 (92.0%)	101 (87.8%)
Al technology family caregivers have used before - Other		
Other, please specify	0 (0%)	0 (0%)
NO TO: Other, please specify	16 (8.0%)	14 (12.2%)
Missing  Personness to All technology family caregivers have used before	183 (92.0%)	101 (87.8%)
Responses to AI technology family caregivers have used before	100 (1000/ \	115 (1000/)
Са	199 (100%) 0 (0%)	115 (100%) 0 (0%)
Vu .	0 (0 /0)	0 (0 %)

	AII (N=199)	No missing data (N=115)
Dexcom suivi diabète	0 (0%)	0 (0%)
Family caregivers' knowledge about Al		
Not knowledgeable	109 (54.8%)	59 (51.3%)
Somewhat knowledgeable	46 (23.1%)	29 (25.2%)
Moderately knowledgeable	37 (18.6%)	22 (19.1%)
Extremely knowledgeable	6 (3.0%)	5 (4.3%)
Missing	1 (0.5%)	0 (0%)
PEr1		
Strongly Disagree	5 (2.5%)	4 (3.5%)
Disagree	21 (10.6%)	13 (11.3%)
Agree	91 (45.7%)	68 (59.1%)
Strongly Agree	43 (21.6%)	24 (20.9%)
I don't know	39 (19.6%)	6 (5.2%)
PEr2	- ()	
Strongly Disagree	5 (2.5%)	5 (4.3%)
Disagree	25 (12.6%)	16 (13.9%)
Agree	88 (44.2%)	57 (49.6%)
Strongly Agree	43 (21.6%)	29 (25.2%)
I don't know	37 (18.6%) 1 (0.5%)	8 (7.0%)
Missing PEr3	1 (0.5%)	0 (0%)
Strongly Disagree	8 (4.0%)	7 (6.1%)
Disagree	19 (9.5%)	13 (11.3%)
Agree	87 (43.7%)	55 (47.8%)
Strongly Agree	49 (24.6%)	36 (31.3%)
I don't know	35 (17.6%)	4 (3.5%)
Missing	1 (0.5%)	0 (0%)
PEr4	( · · · /	,
Strongly Disagree	5 (2.5%)	5 (4.3%)
Disagree	23 (11.6%)	21 (18.3%)
Agree	82 (41.2%)	51 (44.3%)
Strongly Agree	44 (22.1%)	30 (26.1%)
I don't know	44 (22.1%)	8 (7.0%)
Missing	1 (0.5%)	0 (0%)
PEr5		
Strongly Disagree	6 (3.0%)	6 (5.2%)
Disagree	16 (8.0%)	13 (11.3%)
Agree	84 (42.2%)	50 (43.5%)
Strongly Agree	56 (28.1%)	39 (33.9%)
I don't know	35 (17.6%)	6 (5.2%)
Missing	2 (1.0%)	1 (0.9%)
PEr6		
Strongly Disagree	5 (2.5%)	5 (4.3%)
Disagree	12 (6.0%)	10 (8.7%)
Agree	85 (42.7%)	52 (45.2%)
Strongly Agree	68 (34.2%)	45 (39.1%)
I don't know	29 (14.6%)	3 (2.6%)
EEr1		
Strongly Disagree	17 (8.5%)	10 (8.7%)
Disagree	50 (25.1%)	34 (29.6%)
Agree	65 (32.7%)	49 (42.6%)
Strongly Agree	14 (7.0%)	12 (10.4%)
I don't know	53 (26.6%)	10 (8.7%)
EEr2 Strongly Disagree	2 (4 50/)	3 (2 60/ )
Strongly Disagree	3 (1.5%) 22 (11.1%)	3 (2.6%) 17 (14.8%)
Disagree Agree	22 (11.1%) 99 (49.7%)	17 (14.8%) 69 (60.0%)
Strongly Agree	27 (13.6%)	20 (17.4%)
I don't know	47 (23.6%)	6 (5.2%)
Missing	1 (0.5%)	0 (0%)
g	1 (0.5%)	0 (070)

	All	No missing	
	(N=199)	data (N=115)	
EEr3		( -/	
Strongly Disagree	3 (1.5%)	3 (2.6%)	
Disagree	19 (9.5%)	12 (10.4%)	
Agree	96 (48.2%)	66 (57.4%)	
Strongly Agree	40 (20.1%)	30 (26.1%)	
I don't know	40 (20.1%)	3 (2.6%)	
Missing	1 (0.5%)	1 (0.9%)	
EEr4			
Strongly Disagree	12 (6.0%)	8 (7.0%)	
Disagree	37 (18.6%)	25 (21.7%)	
Agree	57 (28.6%)	45 (39.1%)	
Strongly Agree	27 (13.6%)	22 (19.1%)	
I don't know	65 (32.7%)	15 (13.0%)	
Missing EEr5	1 (0.5%)	0 (0%)	
Strongly Disagree	7 (3.5%)	4 (3.5%)	
Disagree	18 (9.0%)	11 (9.6%)	
Agree	94 (47.2%)	70 (60.9%)	
Strongly Agree	35 (17.6%)	24 (20.9%)	
I don't know	44 (22.1%)	6 (5.2%)	
Missing	1 (0.5%)	0 (0%)	
Sir1	, ,	. ,	
Strongly Disagree	11 (5.5%)	7 (6.1%)	
Disagree	37 (18.6%)	25 (21.7%)	
Agree	82 (41.2%)	61 (53.0%)	
Strongly Agree	23 (11.6%)	15 (13.0%)	
I don't know	46 (23.1%)	7 (6.1%)	
Sir2			
Strongly Disagree	16 (8.0%)	10 (8.7%)	
Disagree	40 (20.1%)	30 (26.1%)	
Agree	74 (37.2%)	49 (42.6%)	
Strongly Agree	33 (16.6%)	24 (20.9%)	
I don't know	36 (18.1%)	2 (1.7%)	
SIr3			
Strongly Disagree	4 (2.0%)	3 (2.6%)	
Disagree	18 (9.0%)	12 (10.4%)	
Agree	90 (45.2%)	63 (54.8%)	
Strongly Agree I don't know	40 (20.1%)	29 (25.2%)	
Missing	46 (23.1%) 1 (0.5%)	8 (7.0%) 0 (0%)	
FCr1	1 (0.370)	0 (070)	
Strongly Disagree	4 (2.0%)	3 (2.6%)	
Disagree	11 (5.5%)	9 (7.8%)	
Agree	102 (51.3%)	71 (61.7%)	
Strongly Agree	40 (20.1%)	30 (26.1%)	
I don't know	42 (21.1%)	2 (1.7%)	
FCr2			
Strongly Disagree	4 (2.0%)	4 (3.5%)	
Disagree	25 (12.6%)	23 (20.0%)	
Agree	83 (41.7%)	60 (52.2%)	
Strongly Agree	28 (14.1%)	19 (16.5%)	
I don't know	58 (29.1%)	9 (7.8%)	
Missing	1 (0.5%)	0 (0%)	
TAr1			
Strongly Disagree	12 (6.0%)	4 (3.5%)	
Disagree	43 (21.6%)	27 (23.5%)	
Agree	78 (39.2%)	54 (47.0%)	
Strongly Agree	27 (13.6%)	20 (17.4%)	
I don't know	39 (19.6%)	10 (8.7%)	
TAr2			

	All (N=199)	No missing data (N=115)
Strongly Disagree	21 (10.6%)	14 (12.2%)
Disagree	74 (37.2%)	48 (41.7%)
Agree	55 (27.6%)	37 (32.2%)
Strongly Agree	20 (10.1%)	12 (10.4%)
I don't know	28 (14.1%)	3 (2.6%)
Missing	1 (0.5%)	1 (0.9%)
TAr3		
Strongly Disagree	10 (5.0%)	6 (5.2%)
Disagree	19 (9.5%)	10 (8.7%)
Agree	97 (48.7%)	65 (56.5%)
Strongly Agree	48 (24.1%)	33 (28.7%)
I don't know	23 (11.6%)	0 (0%)
Missing	2 (1.0%)	1 (0.9%)
TAr4		
Strongly Disagree	22 (11.1%)	16 (13.9%)
Disagree	73 (36.7%)	51 (44.3%)
Agree	57 (28.6%)	36 (31.3%)
Strongly Agree	20 (10.1%)	9 (7.8%)
I don't know	27 (13.6%)	3 (2.6%)
PTr1		
Strongly Disagree	17 (8.5%)	10 (8.7%)
Disagree	61 (30.7%)	47 (40.9%)
Agree	57 (28.6%)	33 (28.7%)
Strongly Agree	30 (15.1%)	20 (17.4%)
I don't know	34 (17.1%)	5 (4.3%)
PTr2		
Strongly Disagree	7 (3.5%)	7 (6.1%)
Disagree	21 (10.6%)	16 (13.9%)
Agree	87 (43.7%)	66 (57.4%)
Strongly Agree	27 (13.6%)	18 (15.7%)
I don't know	57 (28.6%)	8 (7.0%)
PTr3		
Strongly Disagree	14 (7.0%)	8 (7.0%)
Disagree	49 (24.6%)	38 (33.0%)
Agree	67 (33.7%)	41 (35.7%)
Strongly Agree	33 (16.6%)	21 (18.3%)
I don't know	36 (18.1%)	7 (6.1%)
PCr1		
Strongly Disagree	3 (1.5%)	2 (1.7%)
Disagree	32 (16.1%)	29 (25.2%)
Agree	54 (27.1%)	44 (38.3%)
Strongly Agree	32 (16.1%)	21 (18.3%)
I don't know	78 (39.2%)	19 (16.5%)
PCr2		
Strongly Disagree	10 (5.0%)	7 (6.1%)
Disagree	37 (18.6%)	31 (27.0%)
Agree	64 (32.2%)	51 (44.3%)
Strongly Agree	35 (17.6%)	23 (20.0%)
I don't know	53 (26.6%)	3 (2.6%)
EAr1		
Strongly Disagree	4 (2.0%)	2 (1.7%)
Disagree	23 (11.6%)	20 (17.4%)
Agree	81 (40.7%)	53 (46.1%)
Strongly Agree	55 (27.6%)	32 (27.8%)
I don't know	35 (17.6%)	7 (6.1%)
Missing	1 (0.5%)	1 (0.9%)
EAr2		
Strongly Disagree	2 (1.0%)	1 (0.9%)
Disagree	22 (11.1%)	20 (17.4%)
Agree	84 (42.2%)	53 (46.1%)

	AII (N=199)	No missing data (N=115)
Strongly Agree	53 (26.6%)	32 (27.8%)
I don't know	38 (19.1%)	9 (7.8%)
EAr3		
Strongly Disagree	4 (2.0%)	3 (2.6%)
Disagree	14 (7.0%)	10 (8.7%)
Agree	100 (50.3%)	72 (62.6%)
Strongly Agree	50 (25.1%)	30 (26.1%)
I don't know	30 (15.1%)	0 (0%)
Missing	1 (0.5%)	0 (0%)
EAr4		
Strongly Disagree	4 (2.0%)	3 (2.6%)
Disagree	22 (11.1%)	21 (18.3%)
Agree	82 (41.2%)	52 (45.2%)
Strongly Agree	44 (22.1%)	26 (22.6%)
I don't know	45 (22.6%)	11 (9.6%)
Missing	2 (1.0%)	2 (1.7%)
Bir1		
Strongly Disagree	12 (6.0%)	7 (6.1%)
Disagree	33 (16.6%)	23 (20.0%)
Agree	55 (27.6%)	49 (42.6%)
Strongly Agree	9 (4.5%)	7 (6.1%)
I don't know	89 (44.7%)	29 (25.2%)
Missing	1 (0.5%)	0 (0%)
Bir2		
Strongly Disagree	8 (4.0%)	5 (4.3%)
Disagree	21 (10.6%)	12 (10.4%)
Agree	91 (45.7%)	72 (62.6%)
Strongly Agree	33 (16.6%)	24 (20.9%)
I don't know	46 (23.1%)	2 (1.7%)
Bir3		
Strongly Disagree	23 (11.6%)	11 (9.6%)
Disagree	54 (27.1%)	40 (34.8%)
Agree	40 (20.1%)	35 (30.4%)
Strongly Agree	8 (4.0%)	5 (4.3%)
I don't know	73 (36.7%)	23 (20.0%)
Missing	1 (0.5%)	1 (0.9%)

# #Random Forest Analysis

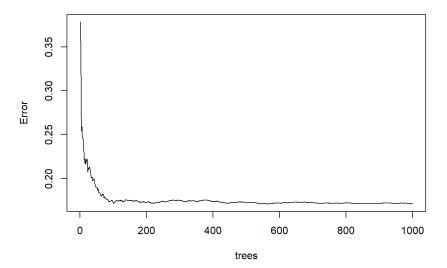
library(party)
## Loading required package: mvtnorm
## Loading required package: modeltools
## Loading required package: stats4
## Loading required package: strucchange
## Loading required package: sandwich
## ## Attaching package: 'strucchange'
<pre>## The following object is masked from 'package:stringr': ## ## boundary</pre>

##Creating the dataframe for the RF (by combining both the demographic data frame and construct mean score data frame) and renaming some variables so it's easier to manage

```
Combine.ELIG2Con <-cbind(ELIG.variRNC2, Constructs.num)</pre>
Combine.ELIG2Con.RN<-rename(Combine.ELIG2Con,
                                                                    "Lang"= "Survey's Language",
                                                                   "LivedCAN"= "Years Lived in Canada",
                                                                    "Rela.child"= "Relationship to care recipient - child",
                                                                    "Rela.grandchild" = "Relationship to care recipient - grandchild",
                                                                    "Rela.spouse"= "Relationship to care recipient - spouse",
                                                                   "Rela.sib" = "Relationship to care recipient - sibiling",
                                                                    "Rela.fri"= "Relationship to care recipient - friend",
                                                                    "Rela.neig" = "Relationship to care recipient - Neighbour",
                                                                   "LiveFG" = "Living arrangement - living with the family caregiver",
                                                                   "LiveHome" = "Living arrangement - living independently in one's own home", % \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) 
                                                                    "LiveLTC" = "Living arrangement - living in long-term care/nursing home/residential home",
                                                                    "LiveRPA" = "Living arrangement - RPA or equivalent",
                                                                   "No.OA" = "Number of older adults the family caregiver is caring for",
                                                                    "NoYear.FG" = "Number of years the family caregiver has been a caregiver",
                                                                    "No.Hour" = "Estimated number of hours of care per week provided by the family caregiver",
                                                                   "Tasks.med" = "Tasks family caregivers perform - Medical/nursing care",
                                                                   "Tasks.careco" = "Tasks family caregivers perform - Care coordinator",
                                                                    "Tasks.psyco" = "Tasks family caregivers perform - Psychosocial care"
                                                                   "Tasks.DLA" = "Tasks family caregivers perform - Daily living activities",
                                                                   "Tasks.Trans" = "Tasks family caregivers perform - Transportation",
                                                                    "Tasks.SD" = "Tasks family caregivers perform - Substitute decision-maker",
                                                                   "PastAI" = "Family caregivers past AI experience",
                                                                    "PastAI.wear" = "AI technology family caregivers have used before - AI-based wearable devices",
                                                                    "PastAI.AT" = "AI technology family caregivers have used before - AI-based assistive technology".
                                                                   "PastAI.chatbot" = "AI technology family caregivers have used before - AI-based chatbots/virtual ass
istants",
                                                                   "AIKnow" = "Family caregivers' knowledge about AI")
```

#Creating the RF and checking if the error rate converges based on the number of trees, and the results below shows CHAt its does after 200 trees, so we continue to use ntree = 1000.

```
library(randomForest)
## Warning: package 'randomForest' was built under R version 4.2.3
## randomForest 4.7-1.1
## Type rfNews() to see new features/changes/bug fixes.
## Attaching package: 'randomForest'
## The following object is masked from 'package:ggplot2':
##
##
      margin
## The following object is masked from 'package:dplyr':
##
##
       combine
set.seed(1234)
RF1 <- randomForest(BIr.score ~ PEr.score+EEr.score+SIr.score+FCr.score+TAr.score+
                    PTr.score+PCr.score+CSA.score+CHA.score, data = Combine.ELIG2Con.RN,ntree=1000, na.action="na.omit")
plot(RF1)
```



#### ##RF to explore the whole model with the constructs and demographic variables

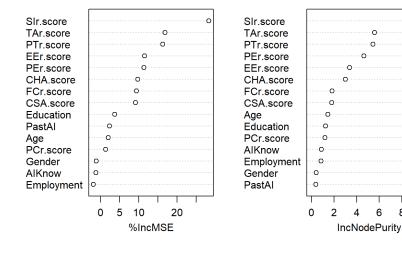
###Based on this RF, the six demographic variables IncMSE was less CHAn 5%, which is low when compared to majority of the construct scores' %IncMSE. As such, the demographics were not included in the final/further RF.

```
## Call:
## randomForest(formula = BIr.score ~ PEr.score + EEr.score + SIr.score +
                                                                               FCr.score + TAr.score + PTr.score + PCr.scor
                    CHA.score + Age + Gender + Education + Employment + PastAI +
e + CSA.score +
                                                                                      AIKnow, data = Combine.ELIG2Con.RN, n
tree = 1000, importance = T,
                                 na.action = "na.omit")
##
                 Type of random forest: regression
                       Number of trees: 1000
##
## No. of variables tried at each split: 5
##
##
            Mean of squared residuals: 0.1759848
##
                      % Var explained: 54.94
```

```
print (varImpPlot(RF2VIM.II.All))
```

8 10

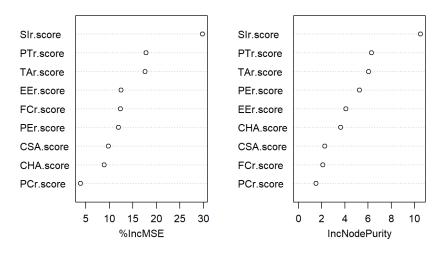
## RF2VIM.II.AII



```
##
              %IncMSE IncNodePurity
## PEr.score 11.319830
                       4.6258387
                         3.3768821
## EEr.score 11.515916
                       10.1956467
## SIr.score 28.333889
## FCr.score 9.413272
                        1.8330070
                       5.5885605
## TAr.score 16.874511
## PTr.score 16.248519
                         5.4328759
                        1.2101657
## PCr.score 1.303866
## CSA.score 9.128614
                        1.8123232
## CHA.score 9.738280
                         3.0170450
## Age
             2.018493
                         1.4549261
## Gender
            -1.145729
                         0.4184413
## Education 3.728733
                         1.2643981
## Employment -1.881215
                         0.8655316
## PastAI
            2.345513
                         0.3849159
## AIKnow
             -1.244949
                         0.8789809
```

#### ##RF to find the variable of importance (VIM) for only the constructs

#### RF2VIM



```
RF2VIM
```

#### RF2VIM\$importance/RF2VIM\$importanceSD

```
%IncMSE IncNodePurity
## PEr.score 11.935261 2099.289
## EEr.score 12.473121
## SIr.score 29.831016
                          2435,178
## FCr.score 12.333396
                          1394.617
## TAr.score 17.639563
                          2352.148
## PTr.score 17.791910
                          2768.642
## PCr.score 3.860256
                          1192.652
## CSA.score 9.796856
                          1551.591
## CHA.score 8.889226
                          1822.154
```

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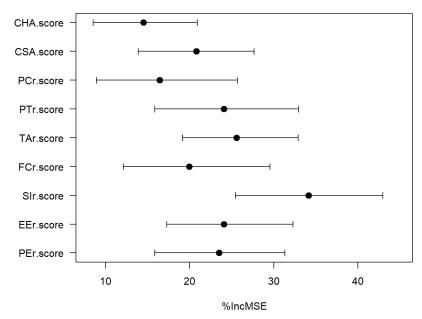
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```

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```

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## [1] 995
## [1] 996
## [1] 997
## [1] 998
## [1] 999
## [1] 1000
```

# $\ensuremath{\mbox{\#\mbox{\#}}}\xspace$ Generate a plot to visualize the mean 'bagged' VIM and the 95% CI

```
par(mar=c(4,7,1,1))
plot(apply(bootstrap.results,1,mean),1:9,pch=20,cex=2,yaxt="n",xlim=c(8,45),
    ylab="",xlab="%IncMSE",ylim=c(1,9))
arrows(apply(bootstrap.results,1,quantile,c(0.025)),1:9,
        apply(bootstrap.results,1,quantile,c(0.975)),1:9,angle = 90,code=3,length=0.05)
axis(2,at=1:9,labels=row.names(bootstrap.rf$importance),las=1)
abline(v=seq(0.05,0.3,by=0.05),col="gray",lty=2)
```



#Examine the direction of the relationship between the outcome (predicted BI) and all nine constructs by generating scatter plots

```
library(DescTools)
```

```
##
## Attaching package: 'DescTools'
```

```
## The following object is masked from 'package:modeltools':
##
## ParseFormula
```

```
library(splines)
```

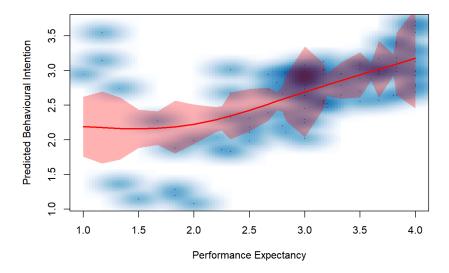
```
pred.BIr.RF3<-predict(RF2VIM,newdata = Combine.ELIG2Con.RN)</pre>
```

##Combine all the scatter plots into one image

```
par(mfrow=c(3,3))
```

## ##PE CONSTRUCT

```
smoothScatter(Combine.ELIG2Con.RN$PEr.score,pred.BIr.RF3, xlab = "Performance Expectancy", ylab = "Predicted Behavioural Int
ention")
scat.PE<-cbind(Combine.ELIG2Con.RN$PEr.score,pred.BIr.RF3)
scat.PE.line<-na.omit(scat.PE)
lines(smooth.spline(scat.PE.line[,1],scat.PE.line[,2],df=3),col="red")</pre>
```



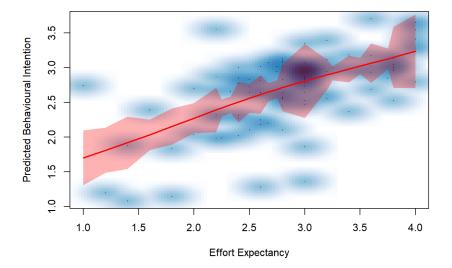
## ###PE Slope

```
(3.10-2.25)/(4-2)
```

## [1] 0.425

#### ##EE CONSTRUCT

```
smoothScatter(Combine.ELIG2Con.RN$EEr.score,pred.BIr.RF3, xlab = "Effort Expectancy", ylab = "Predicted Behavioural Intentio
n")
scat.EE<-cbind(Combine.ELIG2Con.RN$EEr.score,pred.BIr.RF3)
scat.EE.line<-na.omit(scat.EE)
lines(smooth.spline(scat.EE.line[,1],scat.EE.line[,2],df=3),col="red")</pre>
```



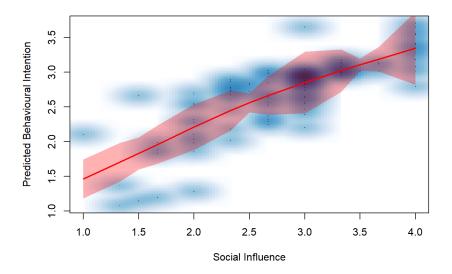
## ###EE Slope

```
(3.10-1.60)/(4-1)
```

## [1] 0.5

#### ##SI CONSTRUCT

smoothScatter(Combine.ELIG2Con.RN\$SIr.score,pred.BIr.RF3, xlab="Social Influence", ylab = "Predicted Behavioural Intention")
scat.SI
scat.SI.line<-na.omit(scat.SI)
lines(smooth.spline(scat.SI.line[,1],scat.SI.line[,2],df=3),col="red")



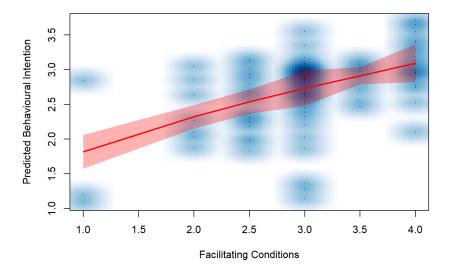
## ###SI Slope

```
(3.20-1.45)/(4-1)
```

## [1] 0.5833333

## ##FC CONSTRUCT

```
smoothScatter(Combine.ELIG2Con.RN$FCr.score,pred.BIr.RF3, xlab = "Facilitating Conditions", ylab = "Predicted Behavioural In
tention")
scat.FC<-cbind(Combine.ELIG2Con.RN$FCr.score,pred.BIr.RF3)
scat.FC.line<-na.omit(scat.FC)
lines(smooth.spline(scat.FC.line[,1],scat.FC.line[,2],df=3),col="red")</pre>
```



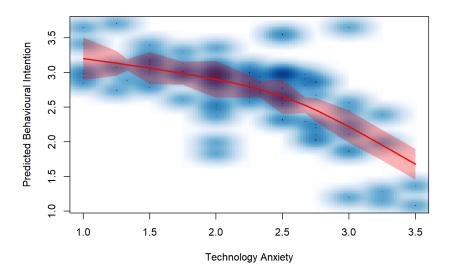
## ###FC Slope

```
(2.90-1.80)/(4-1)
```

## [1] 0.3666667

#### ##TA CONSTRUCT

```
smoothScatter(Combine.ELIG2Con.RN$TAr.score,pred.BIr.RF3, xlab = "Technology Anxiety", ylab = "Predicted Behavioural Intenti
on")
scat.TA<-cbind(Combine.ELIG2Con.RN$TAr.score,pred.BIr.RF3)
scat.TA.line<-na.omit(scat.TA)
lines(smooth.spline(scat.TA.line[,1],scat.TA.line[,2],df=3),col="red")</pre>
```



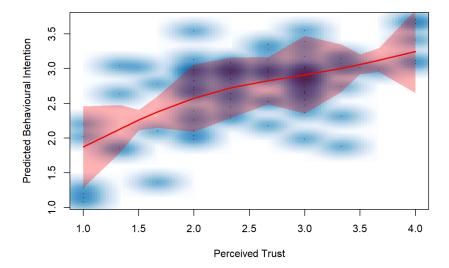
## ###TA Slope

```
(1.65-3.25)/(3.5-1)
```

## [1] -0.64

#### ##PT CONSTRUCT

```
smoothScatter(Combine.ELIG2Con.RN$PTr.score,pred.BIr.RF3, xlab = "Perceived Trust", ylab = "Predicted Behavioural Intentio
n")
scat.PT<-cbind(Combine.ELIG2Con.RN$PTr.score,pred.BIr.RF3)
scat.PT.line<-na.omit(scat.PT)
lines(smooth.spline(scat.PT.line[,1],scat.PT.line[,2],df=3),col="red")</pre>
```



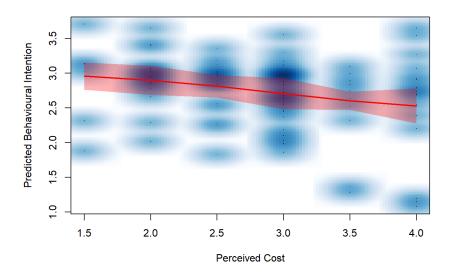
## ###PT Slope

(3.10-1.80)/(4-1)

## [1] 0.4333333

#### ##PC CONSTRUCT

smoothScatter(Combine.ELIG2Con.RN\$PCr.score,pred.BIr.RF3, xlab="Perceived Cost", ylab = "Predicted Behavioural Intention")
scat.PC<-cbind(Combine.ELIG2Con.RN\$PCr.score,pred.BIr.RF3)
scat.PC.line<-na.omit(scat.PC)
lines(smooth.spline(scat.PC.line[,1],scat.PC.line[,2],df=3),col="red")</pre>



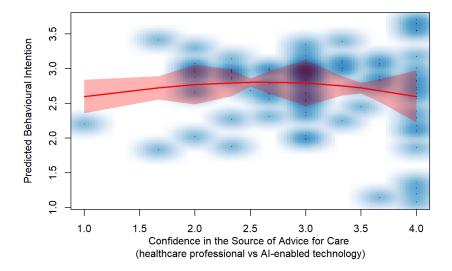
## ###PC Slope

(2.65-2.95)/(4-1.5)

## [1] -0.12

## ##CSA CONSTRUCT

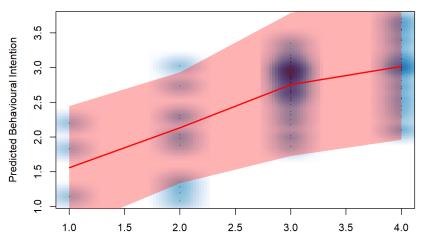
smoothScatter(Combine.ELIG2Con.RN\$CSA.score,pred.BIr.RF3, xlab = "Confidence in the Source of Advice for Care
(healthcare professional vs AI-enabled technology)", ylab = "Predicted Behavioural Intention")
scat.EA<-cbind(Combine.ELIG2Con.RN\$CSA.score,pred.BIr.RF3)
scat.EA.line<-na.omit(scat.EA)
lines(smooth.spline(scat.EA.line[,1],scat.EA.line[,2],df=3),col="red")</pre>



###CSA Slope - Not calculated since its not linear but a quadratic association

#### ##CHA CONSTRUCT

```
smoothScatter(Combine.ELIG2Con.RN$CHA.score,pred.BIr.RF3, xlab = "Confidence in Healthcare Professionals' Advice for the Use
of AI-enabled Technology", ylab = "Predicted Behavioural Intention")
scat.EA2<-cbind(Combine.ELIG2Con.RN$CHA.score,pred.BIr.RF3)
scat.EA2.line<-na.omit(scat.EA2)
lines(smooth.spline(scat.EA2.line[,1],scat.EA2.line[,2],df=3),col="red")</pre>
```



Confidence in Healthcare Professionals' Advice for the Use of Al-enabled Technology

#### ###CHA Slope

```
(2.80-1.55)/(4-1)
## [1] 0.4166667
```

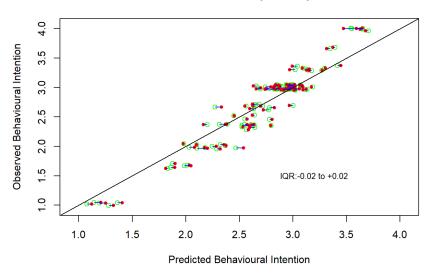
#Further analysis: Converted the RF VIM (Inc MSE) to the item scale (1 to 4) and compared the observed BI score vs. predicted BI score ##The predicted BI score has two models: (1) full model with all variables and (2) every reduced model had one variable CHAt was removed at a time while the others stayed constant

##To view the difference between the full vs reduced model, we generated a histogram and the interquartile range of the difference was presented within the plots.

##Fit all nine of my plots as one figure

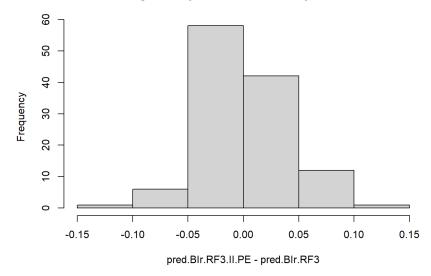
```
par(mfrow=c(3,3))
```

## **Performance Expectancy**



hist(pred.BIr.RF3.II.PE-pred.BIr.RF3)

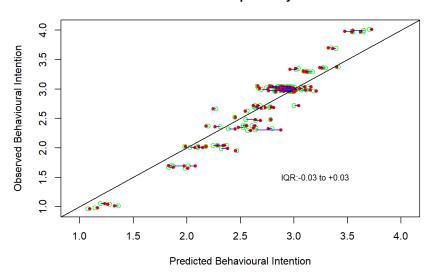
## Histogram of pred.Blr.RF3.II.PE - pred.Blr.RF3



summary(pred.BIr.RF3.II.PE-pred.BIr.RF3)

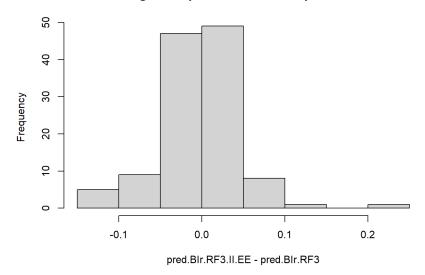
```
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
## -0.12918 -0.02092 -0.00343 0.00103 0.02467 0.10704 79
```

# **Effort Expectancy**



hist(pred.BIr.RF3.II.EE-pred.BIr.RF3)

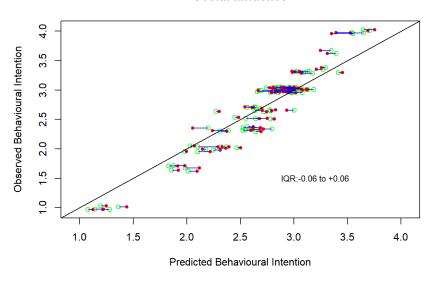
## Histogram of pred.Blr.RF3.II.EE - pred.Blr.RF3



```
summary(pred.BIr.RF3.II.EE-pred.BIr.RF3)
```

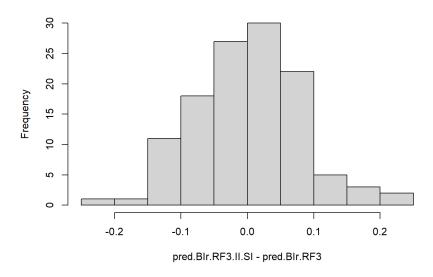
```
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
## -0.10095 -0.02556 -0.00229 -0.00037 0.02544 0.23693 79
```

## **Social Influence**



hist(pred.BIr.RF3.II.SI-pred.BIr.RF3)

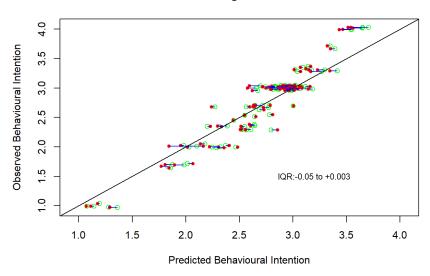
# Histogram of pred.Blr.RF3.II.SI - pred.Blr.RF3



```
summary(pred.BIr.RF3.II.SI-pred.BIr.RF3)
```

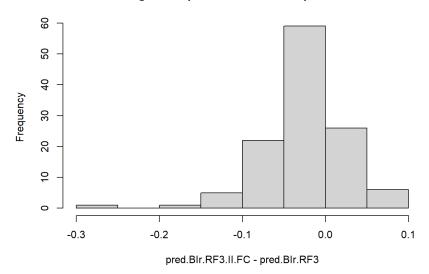
```
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
## -0.24703 -0.05540 0.00812 0.00140 0.05666 0.24512 79
```

# **Facilitating Conditions**



hist(pred.BIr.RF3.II.FC-pred.BIr.RF3)

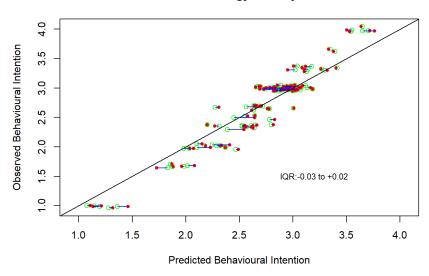
# Histogram of pred.Blr.RF3.II.FC - pred.Blr.RF3



```
summary(pred.BIr.RF3.II.FC-pred.BIr.RF3)
```

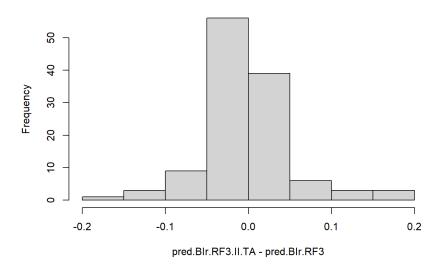
```
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
## -0.25960 -0.04868 -0.01521 -0.02400 0.00302 0.09257 79
```

# **Technology Anxiety**



hist(pred.BIr.RF3.II.TA-pred.BIr.RF3)

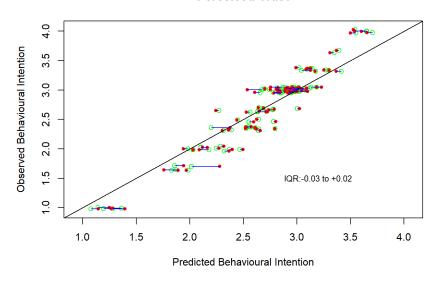
## Histogram of pred.Blr.RF3.II.TA - pred.Blr.RF3



summary(pred.BIr.RF3.II.TA-pred.BIr.RF3)

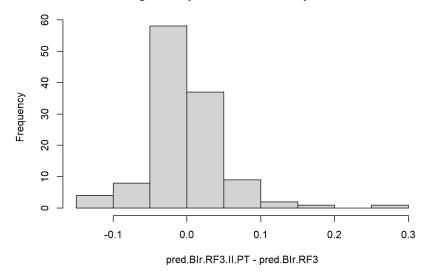
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's ## -0.15284 -0.02601 -0.00312 -0.00009 0.01818 0.19528 79

#### **Perceived Trust**



hist(pred.BIr.RF3.II.PT-pred.BIr.RF3)

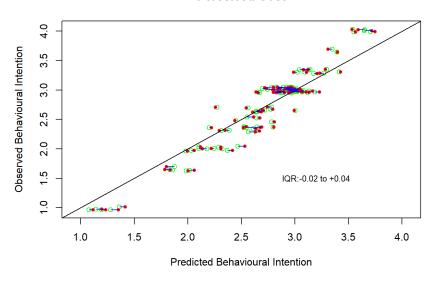
## Histogram of pred.Blr.RF3.II.PT - pred.Blr.RF3



summary(pred.BIr.RF3.II.PT-pred.BIr.RF3)

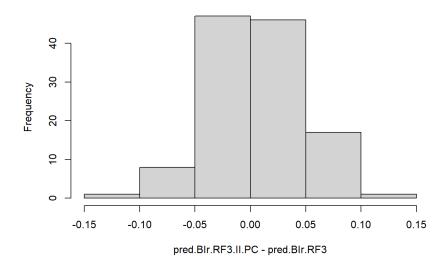
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's ## -0.13724 -0.02536 -0.00802 -0.00168 0.01819 0.26179 79

#### **Perceived Cost**



hist(pred.BIr.RF3.II.PC-pred.BIr.RF3)

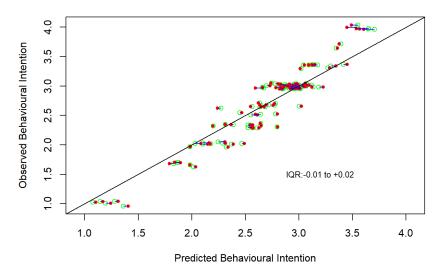
# Histogram of pred.Blr.RF3.II.PC - pred.Blr.RF3



summary(pred.BIr.RF3.II.PC-pred.BIr.RF3)

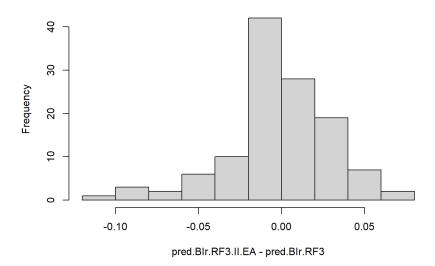
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's ## -0.10125 -0.02449 0.00891 0.00569 0.03545 0.13139 79

## ice in the Source of Advice for Care (healthcare professional vs Al-enabled



hist(pred.BIr.RF3.II.EA-pred.BIr.RF3)

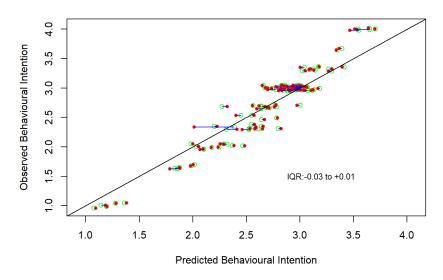
## Histogram of pred.Blr.RF3.II.EA - pred.Blr.RF3



```
summary(pred.BIr.RF3.II.EA-pred.BIr.RF3)
```

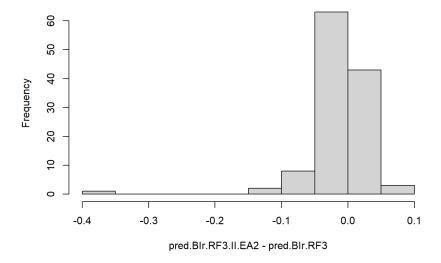
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's ## -0.11451 -0.01416 -0.00226 -0.00193 0.01877 0.06294 79

#### ıfidence in Healthcare Professionals' Advice for the Use of Al-enabled Tecl



hist(pred.BIr.RF3.II.EA2-pred.BIr.RF3)

#### Histogram of pred.Blr.RF3.II.EA2 - pred.Blr.RF3



```
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's ## -0.37522 -0.02843 -0.00938 -0.01119 0.00915 0.09857 79
```

#Confusion matrix to help compliment the further analysis above. The findings of the matrix will be included in the figure (generated within the codes above).

##The purpose is to help the reader understand how many respondents from the full vs reduced model moved from agree to disagree (or vis versa) on their predicted behavior intention.

```
predict.all<-predict(RF2VIM)
cat.predict.all<-cut(predict.all,2.5,labels=c("disagree","agree"))
table(cat.predict.all)</pre>
```

```
## cat.predict.all
## disagree agree
## 16 99
```

#### ###PE Construct

```
predict.wo.PE<-predict(RF2VIM.II.PE)
cat.predict.wo.PE<-cut(predict.wo.PE,2.5,labels=c("disagree","agree"))
table(cat.predict.all,cat.predict.wo.PE)</pre>
```

```
## cat.predict.wo.PE
## cat.predict.all disagree agree
## disagree 14 2
## agree 1 98
```

#### ###EE Construct

```
predict.wo.EE<-predict(RF2VIM.II.EE)
cat.predict.wo.EE<-cut(predict.wo.EE,2.5,labels=c("disagree","agree"))
table(cat.predict.all,cat.predict.wo.EE)</pre>
```

```
## cat.predict.wo.EE
## cat.predict.all disagree agree
## disagree 16 0
## agree 2 97
```

#### ###SI Construct

```
predict.wo.SI<-predict(RF2VIM.II.SI)
cat.predict.wo.SI<-cut(predict.wo.SI,2.5,labels=c("disagree","agree"))
table(cat.predict.all,cat.predict.wo.SI)</pre>
```

```
## cat.predict.wo.SI
## cat.predict.all disagree agree
## disagree 12 4
## agree 4 95
```

#### ###FC Construct + fix the argument so they has the same length (i.e., 115)

```
predict.wo.FC<-predict(RF2VIM.II.FC)
cat.predict.wo.FC<-cut(predict.wo.FC,2.5,labels=c("disagree","agree"))

subdat.FC<-cbind(BIr.score,PEr.score, EEr.score, SIr.score, TAr.score, PTr.score, PCr.score, CSA.score, CHA.score)
subdat.full<-cbind(BIr.score,PEr.score, EEr.score, SIr.score, FCr.score, TAr.score, PTr.score, PCr.score, CSA.score, CHA.score)
ix.FC<-rownames(na.omit(as.data.frame(subdat.FC)))
iy.FC<-rownames(na.omit(as.data.frame(subdat.full)))

table(cat.predict.all,cat.predict.wo.FC[which(ix.FC %in% iy.FC)])</pre>
```

```
##
## cat.predict.all disagree agree
## disagree 16 0
## agree 7 92
```

## ###TA Construct

```
predict.wo.TA<-predict(RF2VIM.II.TA)
cat.predict.wo.TA<-cut(predict.wo.TA,2.5,labels=c("disagree","agree"))
table(cat.predict.all,cat.predict.wo.TA)</pre>
```

```
## cat.predict.wo.TA
## cat.predict.all disagree agree
## disagree 15 1
## agree 4 95
```

# ###PT Construct + fix the argument so they has the same length (i.e., 115)

```
predict.wo.PT<-predict(RF2VIM.II.PT)
cat.predict.wo.PT<-cut(predict.wo.PT,2.5,labels=c("disagree","agree"))

subdat.PT<-cbind(BIr.score,PEr.score, EEr.score, SIr.score, FCr.score, TAr.score, PCr.score, CSA.score, CHA.score)
ix.PT<-rownames(na.omit(as.data.frame(subdat.PT)))
iy.PT<-rownames(na.omit(as.data.frame(subdat.full)))

table(cat.predict.all,cat.predict.wo.PT[which(ix.PT %in% iy.PT)])</pre>
```

```
##
## cat.predict.all disagree agree
## disagree 15 1
## agree 3 96
```

#### ###PC Construct + fix the argument so they has the same length (i.e., 115)

```
predict.wo.PC<-predict(RF2VIM.II.PC)
cat.predict.wo.PC<-cut(predict.wo.PC,2.5,labels=c("disagree","agree"))

subdat.PC<-cbind(BIr.score,PEr.score, EEr.score, SIr.score, FCr.score, TAr.score, PTr.score, CSA.score, CHA.score)
ix.PC<-rownames(na.omit(as.data.frame(subdat.PC)))
iy.PC<-rownames(na.omit(as.data.frame(subdat.full)))

table(cat.predict.all,cat.predict.wo.PC[which(ix.PC %in% iy.PC)])</pre>
```

```
##
## cat.predict.all disagree agree
## disagree 16 0
## agree 3 96
```

## ###CSA Construct + fix the argument so they has the same length (i.e., 115)

```
predict.wo.EA<-predict(RF2VIM.II.EA)
cat.predict.wo.EA<-cut(predict.wo.EA,2.5,labels=c("disagree","agree"))

subdat.EA<-cbind(BIr.score,PEr.score, EEr.score, SIr.score, FCr.score, TAr.score, PTr.score, PCr.score, CHA.score)
ix.EA<-rownames(na.omit(as.data.frame(subdat.EA)))
iy.EA<-rownames(na.omit(as.data.frame(subdat.full)))

table(cat.predict.all,cat.predict.wo.EA[which(ix.EA %in% iy.EA)])</pre>
```

```
##
## cat.predict.all disagree agree
## disagree 15 1
## agree 3 96
```

#### ###CHA Construct + fix the argument so they has the same length (i.e., 115)

```
predict.wo.EA2<-predict(RF2VIM.II.EA2)
cat.predict.wo.EA2<-cut(predict.wo.EA2,2.5,labels=c("disagree","agree"))
subdat.EA2<-cbind(BIr.score,PEr.score, EEr.score, SIr.score, FCr.score, TAr.score, PTr.score, PCr.score, ix.EA2<-rownames(na.omit(as.data.frame(subdat.EA2)))
iy.EA2<-rownames(na.omit(as.data.frame(subdat.full)))
table(cat.predict.all,cat.predict.wo.EA2[which(ix.EA2 %in% iy.EA2)])</pre>
```

```
##
## cat.predict.all disagree agree
## disagree 15 1
## agree 2 97
```