## Anhang 1. Projekt DLBDBSC01

Code ▼

2023-04-12

Anhang 1. Projekt DLBDBSC01

Kontrolle der Variablen

Hide class(InternetAccess) [1] "data.frame" Hide class(HouseholdSpending) [1] "data.frame" Hide class(PopulationSize) [1] "data.frame" Hide summary(InternetAccess) LOCATION INDICATOR **SUBJECT** Length:665 Length:665 Length:665 Mode :character Mode :character Mode :character MEASURE FREQUENCY Length:665 Length:665 Min. :2005 Mode :character Mode :character Median :2013 Mean :2013 3rd Qu.:2018 Max. :2022 Value Flag.Codes Min.: 7.659 Length:665 1st Qu.:60.500 Class :character Median:77.990 Mode:character Mean :72.155 3rd Qu.:89.569 Max. :99.932

Hide

summary(HouseholdSpending)

LOCATION INDICATOR SUBJECT
Length:777 Length:777 Length:777
Class :character Class :character
Mode :character Mode :character Mode :character

MEASURE FREQUENCY TIME
Length:777 Length:777 Min. :2005
Class :character Class :character 1st Qu.:2009
Mode :character Mode :character Median :2013

Mean :2013 3rd Qu.:2017 Max. :2021

Value Flag.Codes Min.: 6116 Mode:logical 1st Qu.: 105845 NA's:777

Median: 276242 Mean: 1266282 3rd Qu.: 1248403 Max.: 15902575

Hide

## summary(PopulationSize)

LOCATION INDICATOR SUBJECT

Length:35 Length:35 Length:35

Class :character Class :character

Mode :character Mode :character Mode :character

MEASURE FREQUENCY TIME
Length:35 Length:35 Min. :2014
Class :character Class :character 1st Qu.:2014
Mode :character Mode :character Median :2014

Mean :2014

3rd Qu.:2014 Max. :2014

Value Flag.Codes Min.: 0.00 Mode:logical 1st Qu.:22.10 NA's:35 Median:41.50

Mean :38.66 3rd Qu.:54.70 Max. :85.10

Die relevante Spalten als Vektor/Datentyp speichern

Hide

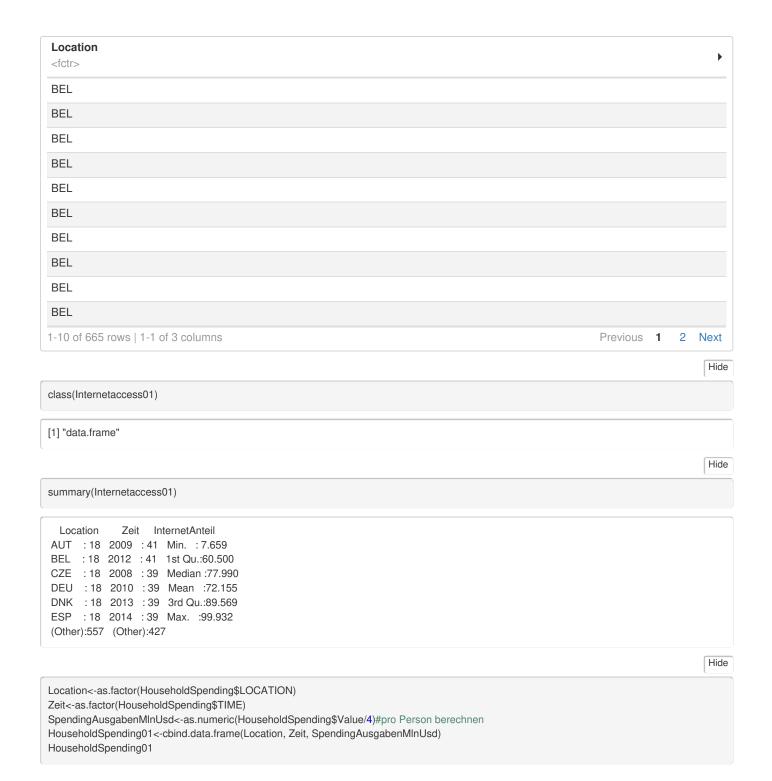
Location < -as.factor (Internet Access \$LOCATION)

Zeit<-as.factor(InternetAccess\$TIME)

InternetAnteil<-as.numeric(InternetAccess\$Value)

Internetaccess01<-cbind.data.frame(Location, Zeit, InternetAnteil)

Internetaccess01



<fctr></fctr>				•
AUS				
1-10 of 777 rows   1-1 of 3 columns	Previous	1	2	Next
				Hide
class(HouseholdSpending01)				
[1] "data.frame"				
				Hide
				пійе
summary(HouseholdSpending01)				
Location Zeit SpendingAusgabenMInUsd  AUS : 17 2005 : 46 Min. : 1529  AUT : 17 2006 : 46 1st Qu.: 26461  BEL : 17 2007 : 46 Median : 69061  CAN : 17 2008 : 46 Mean : 316570  CHE : 17 2009 : 46 3rd Qu.: 312101  CHL : 17 2010 : 46 Max. : 3975644  (Other):675 (Other):501				
				Hide
Location<-as.factor(PopulationSize\$LOCATION) PopulationGroesse<-as.numeric(PopulationSize\$Value) PopulationSize01<-cbind.data.frame(Location, PopulationGroesse) PopulationSize01				
Location <fctr></fctr>				•
POL				
ESP				
TUR				
MEX				
NOR				
SVK				
CHE				
DNK				
DEU				
ISL				

Location

HouseholdSpendingNorm



Nullwerte der Variable "Populationsgroesse" ausschließen

Hide

HouseholdSpendingNorm01<-HouseholdSpendingNorm[HouseholdSpendingNorm\$PopulationGroesse>0, c("Location","Zeit", "SpendingAusgaben MlnUsd", "PopulationGroesse")] HouseholdSpendingNorm01

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1-10 of 726 rows   1-1 of 4 columns	Previous	1	2	Next
NA-Werte der Variable "Populationsgroesse" ausschließen				
				Hide

HouseholdSpendingNorm02 <- na.exclude(HouseholdSpendingNorm01)
HouseholdSpendingNorm02



Ausgaben auf Populationsgroesse pro Land normalisiseren

Hide

 $Spending ProPerson <- Household Spending Norm 02\$ Spending Ausgaben Mln Usd/Household Spending Norm 02\$ Population Groesse \\ Household Spending Norm 03 <- cbind. data. frame (Household Spending Norm 02, Spending ProPerson) \\ Household Spending Norm 03$ 



Zwei neue Arbeitstabellen "Arbeitstabelle01" und "Arbeitstabelle02" aus 2 Tabellen: "HouseholdSpendingNorm03" und InternetAccess01" erstellen

Hide Arbeitstabelle01<-HouseholdSpendingNorm03 Hide library(dplyr)  $Arbeits tabelle <- \ left\_join(Household Spending Norm 03, \ Internet access 01, \ by = c("Location", "Zeit"))$ Arbeitstabelle Location <fctr> AUS 1-10 of 544 rows | 1-1 of 6 columns Previous 1 2 Next

NA-Werte ausschließen

Hide

Arbeitstabelle02<-na.exclude(Arbeitstabelle) Arbeitstabelle02

				•
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19				
1-10 of 482 rows   1-1 of 6 columns	Previous	1	2	Next

Ergebnis: Arbeitstabelle01 und Arbeitstabelle02 erstellt