# BIGSSS Survey 2023

### viernes 03 noviembre 2023 11:07:34

## Contents

## Setup

```r
knitr::opts_chunk$set(warning = FALSE, message = FALSE,cache = T)
options(scipen=9999) # desactivar notacion cientifica
```

```r
# set1 <-  RColorBrewer::brewer.pal(n = 4, name = "Blues")
set1 <- c("#5586B4","#D30132","#999999","#004481","#1C2747")
options(ggplot2.discrete.fill = set1)
options(ggplot2.discrete.colour = set1)
ggplot2::theme_set(ggplot2::theme_minimal())
ggplot2::theme_update(text=ggplot2::element_text(family="serif"))
```

```r
if (!require("pacman")) install.packages("pacman") # instalar pacman
pacman::p_load(tidyverse,haven,sjlabelled,sjmisc,likert)
load(here::here("input/data/proc/bigsss_2023.RData"))

df2[df2==-999] <- NA
df2<- set_na(df2,na = -999)

varlab <- sjlabelled::get_label(df2)
labels <- c("Strongly disagree","Disagree","Neutral","Agree","Strongly agree")

for (i in names(select(df2,v10:v32,v35:v45,v47:v55,v57:v61,v63:v68))) {
  df2[[i]] <- factor(df2[[i]],levels =labels,labels = labels)
}

sjlabelled::set_label(df2) <- varlab

data <-
frq(df2$v7) %>%
  as.data.frame() %>%
  select(category=val,count=frq) %>%
  na.omit()

# Compute percentages
data$fraction <- data$count / sum(data$count)

# Compute the cumulative percentages (top of each rectangle)
data$ymax <- cumsum(data$fraction)
```

```r
# Compute the bottom of each rectangle
data$ymin <- c(0, head(data$ymax, n=-1))

# Compute label position
data$labelPosition <- (data$ymax + data$ymin) / 2

# Compute a good label
data$label <- paste0(scales::percent(data$fraction))
# Make the plot
ggplot(data, aes(ymax=ymax, ymin=ymin, xmax=4, xmin=3, fill=category)) +
  geom_rect() +
  geom_text( x=2, aes(y=labelPosition, label=label, color=category), size=5) + # x here controls label p
  # scale_fill_brewer(palette=3) +
  # scale_color_brewer(palette=3) +
  coord_polar(theta="y") +
  xlim(c(-1, 4)) +
  theme_void() +
  theme(legend.position = "right",legend.title=element_blank())+
  labs(title = "Are you an international fellow?")
```



Are you an international fellow?
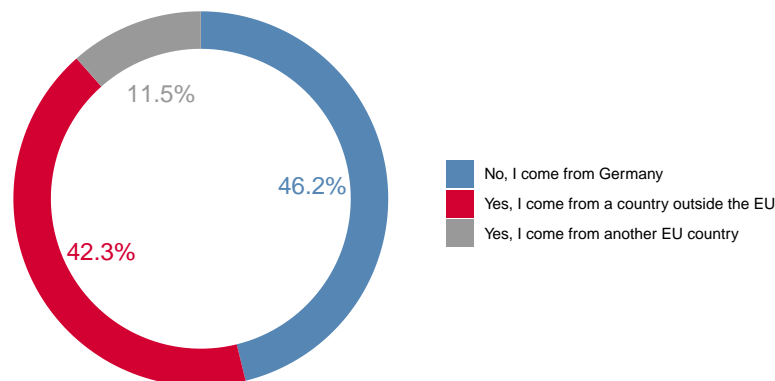
```r
if (!require("pacman")) install.packages("pacman") # instalar pacman
pacman::p_load(tidyverse,haven,sjlabelled,sjmisc,likert)
load(here::here("input/data/proc/bigsss_2023.RData"))

df2[df2==-999] <- NA
df2<- set_na(df2,na = -999)

varlab <- sjlabelled::get_label(df2)
labels <- c("Strongly disagree","Disagree","Neutral","Agree","Strongly agree")

for (i in names(select(df2,v10:v32,v35:v45,v47:v55,v57:v61,v63:v68))) {
  df2[[i]] <- factor(df2[[i]],levels =labels,labels = labels)
}

sjlabelled::set_label(df2) <- varlab

data <-
```

```r
frq(df2$v8) %>%
  as.data.frame() %>%
  select(category=val,count=frq) %>%
  na.omit()

# Compute percentages
data$fraction <- data$count / sum(data$count)

# Compute the cumulative percentages (top of each rectangle)
data$ymax <- cumsum(data$fraction)

# Compute the bottom of each rectangle
data$ymin <- c(0, head(data$ymax, n=-1))

# Compute label position
data$labelPosition <- (data$ymax + data$ymin) / 2

# Compute a good label
data$label <- paste0(scales::percent(data$fraction))
# Make the plot
ggplot(data, aes(ymax=ymax, ymin=ymin, xmax=4, xmin=3, fill=category)) +
  geom_rect() +
  geom_text( x=2, aes(y=labelPosition, label=label, color=category), size=5) + # x here controls label
  # scale_fill_brewer(palette=3) +
  # scale_color_brewer(palette=3) +
  coord_polar(theta="y") +
  xlim(c(-1, 4)) +
  theme_void() +
  theme(legend.position = "right",legend.title=element_blank())+
  labs(title = "What is your status of affiliation with BIGSS?")
```
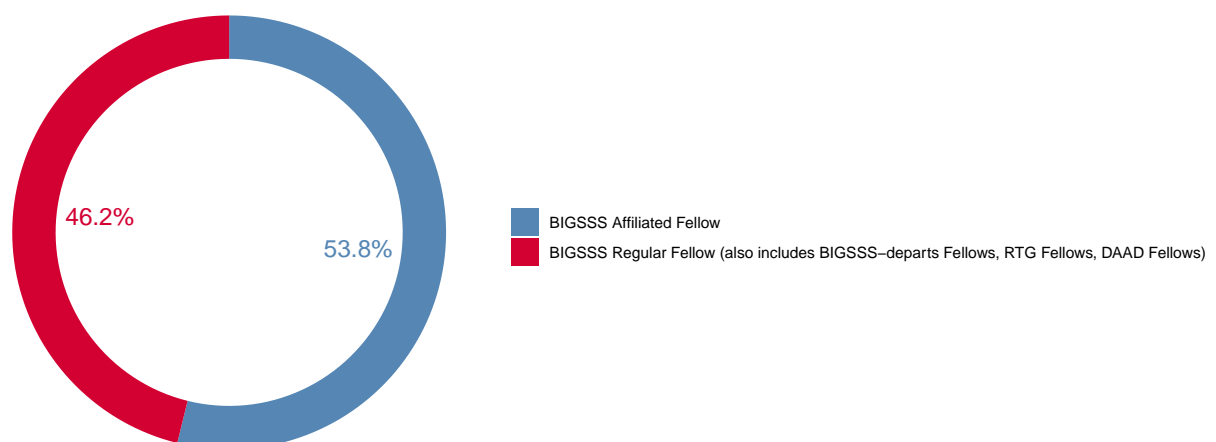
What is your status of affiliation with BIGSS?



```r
if (!require("pacman")) install.packages("pacman") # instalar pacman
pacman::p_load(tidyverse,haven,sjlabelled,sjmisc,likert)
```

```r
load(here::here("input/data/proc/bigsss_2023.RData"))

df2[df2==-999] <- NA
df2<- set_na(df2,na = -999)

varlab <- sjlabelled::get_label(df2)
labels <- c("Strongly disagree","Disagree","Neutral","Agree","Strongly agree")

for (i in names(select(df2,v10:v32,v35:v45,v47:v55,v57:v61,v63:v68))) {
  df2[[i]] <- factor(df2[[i]],levels =labels,labels = labels)
}

sjlabelled::set_label(df2) <- varlab

data <-
frq(df2$v9) %>%
  as.data.frame() %>%
  select(category=val,count=frq) %>%
  na.omit()

# Compute percentages
data$fraction <- data$count / sum(data$count)

# Compute the cumulative percentages (top of each rectangle)
data$ymax <- cumsum(data$fraction)

# Compute the bottom of each rectangle
data$ymin <- c(0, head(data$ymax, n=-1))

# Compute label position
data$labelPosition <- (data$ymax + data$ymin) / 2

# Compute a good label
data$label <- paste0(scales::percent(data$fraction))
# Make the plot
ggplot(data, aes(ymax=ymax, ymin=ymin, xmax=4, xmin=3, fill=category)) +
  geom_rect() +
  geom_text( x=2, aes(y=labelPosition, label=label, color=category), size=5) + # x here controls label
  # scale_fill_brewer(palette=3) +
  # scale_color_brewer(palette=3) +
  coord_polar(theta="y") +
  xlim(c(-1, 4)) +
  theme_void() +
  theme(legend.position = "right",legend.title=element_blank())+
  labs(title = "When did you join BIGSSS?")
```
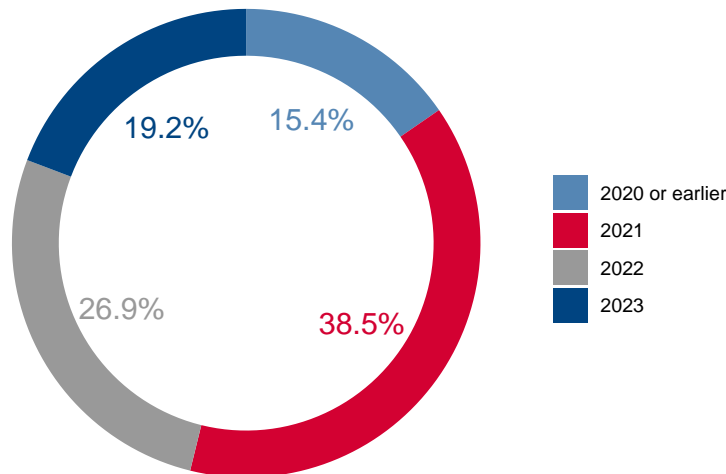
## When did you join BIGSSS?



```r
if (!require("pacman")) install.packages("pacman") # instalar pacman
pacman::p_load(tidyverse,haven,sjlabelled,sjmisc,likert,plyr)
load(here::here("input/data/proc/bigsss_2023.RData"))

df2[df2==-999] <- NA
df2<- set_na(df2,na = -999)

varlab <- sjlabelled::get_label(df2)
labels <- c("Strongly disagree","Disagree","Neutral","Agree","Strongly agree")

for (i in names(select(df2,v10:v32,v35:v45,v47:v55,v57:v61,v63:v68))) {
  df2[[i]] <- factor(df2[[i]],levels =labels,labels = labels)
}

ggplot2::theme_update(text=element_text(size=20,  family="serif"))
#bigsss color palette
set1 <- c("#5586B4","#D30132","#999999","#004481","#1C2747")

sjlabelled::set_label(df2) <- varlab
df_lik1<- df2
df_lik1 %>%
  select(v10,v11,v12) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=
  labs(title = "Prep. Forum")
```
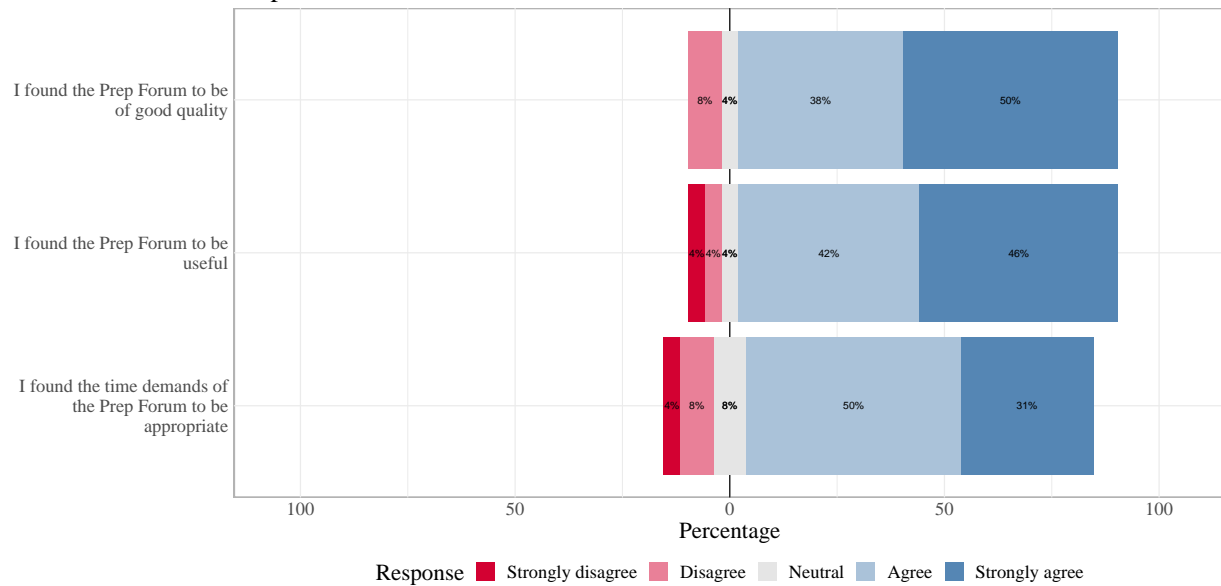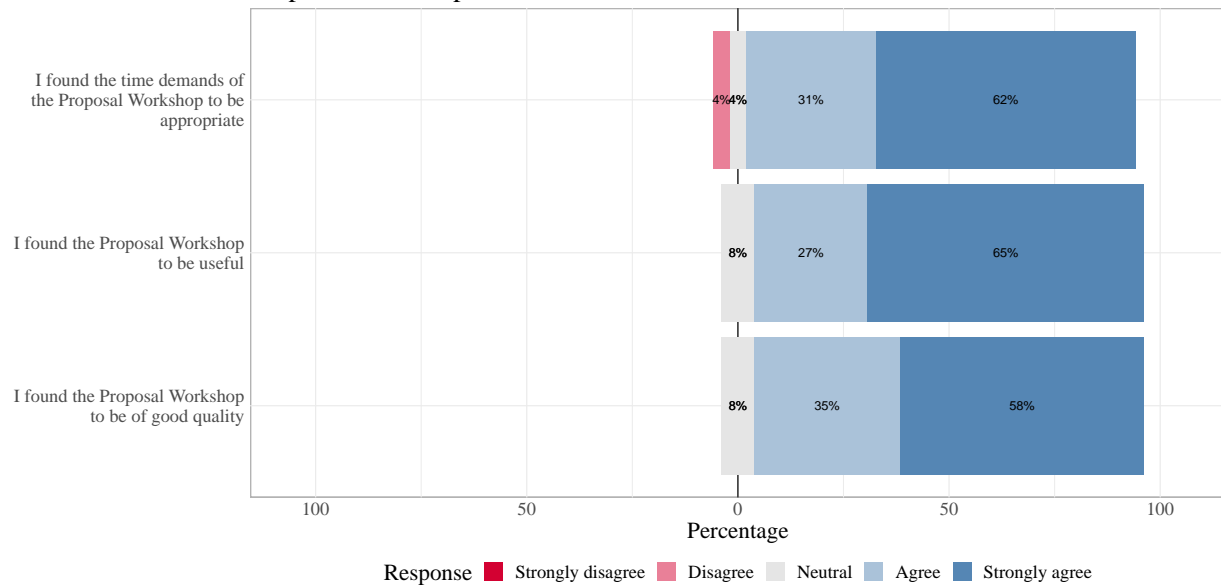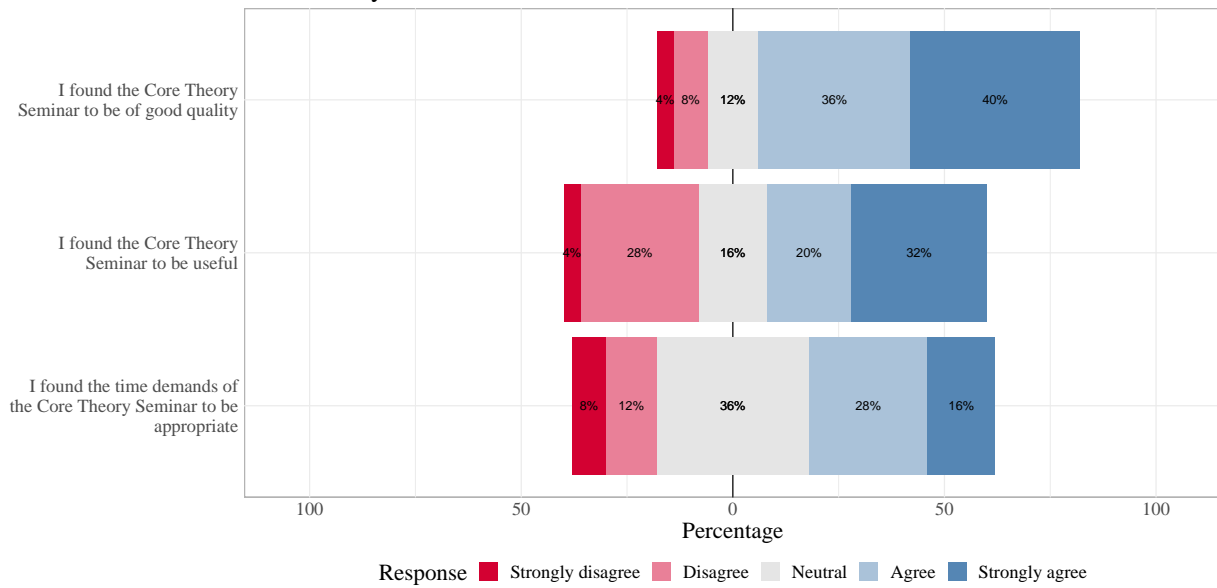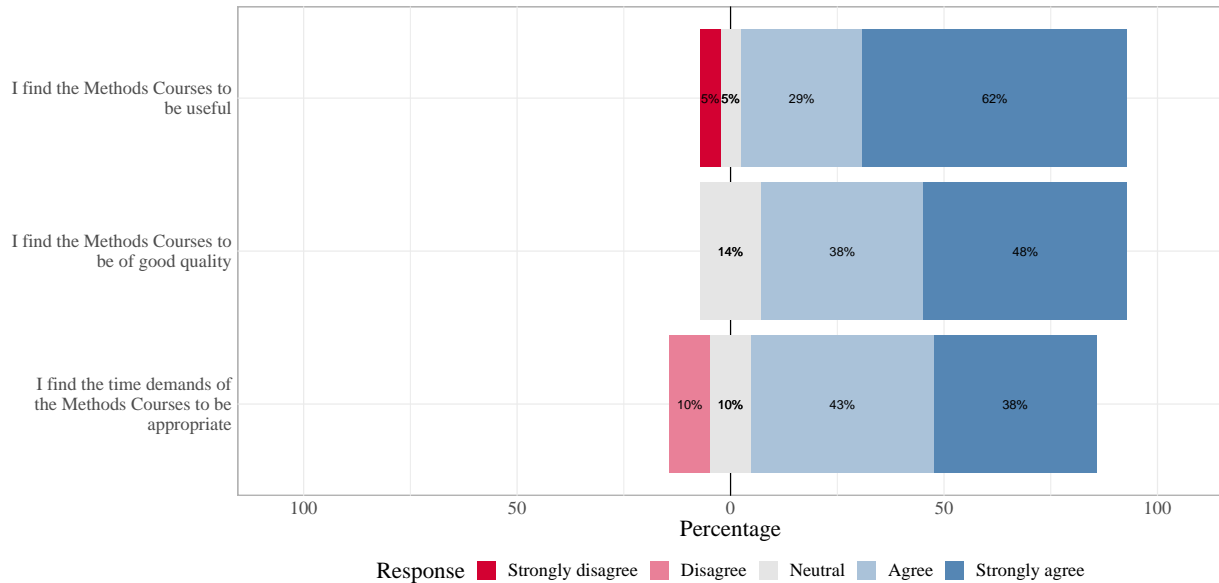
## Prep. Forum



```
df_lik1 %>%
  select(v13:v15) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=
  labs(title = "Proposal Workshop")
```
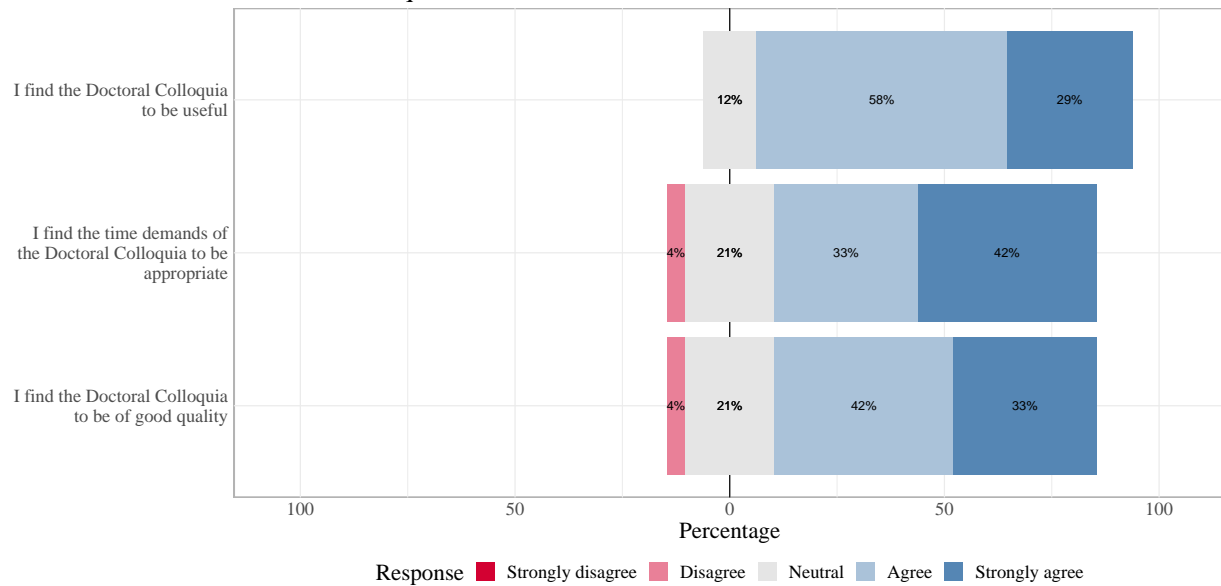
## Proposal Workshop



```
df_lik1 %>%
  select(v16:v18) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=
  labs(title = "Core Theory Seminar")
```

## Core Theory Seminar



```
df_lik1 %>%
  select(v19:v21) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=
  labs(title = "Methods Courses")
```
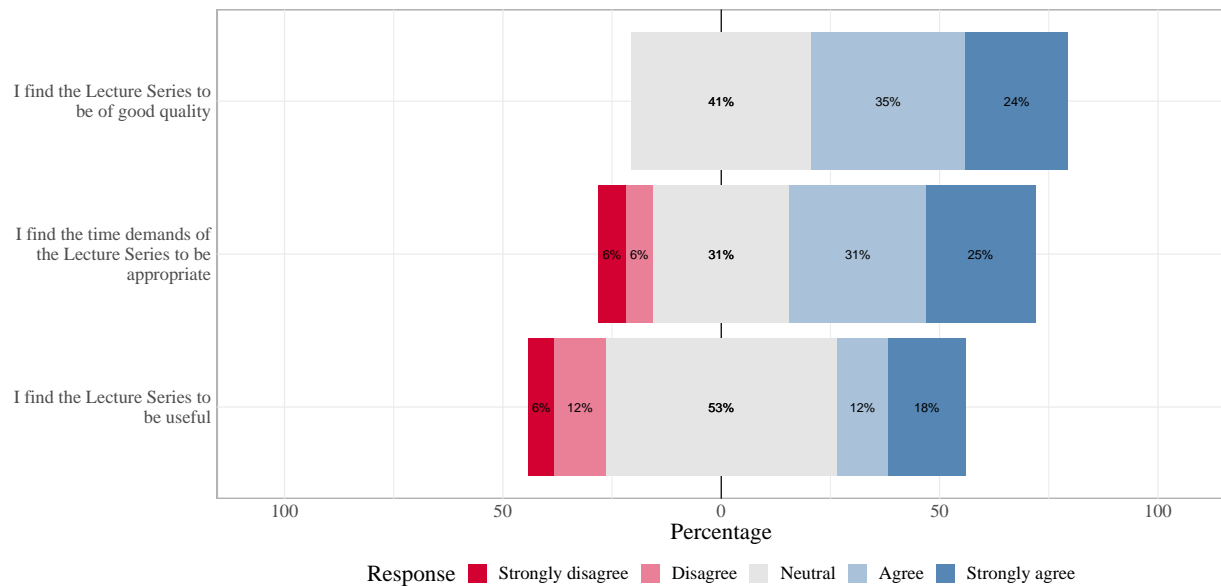
## Methods Courses



```
df_lik1 %>%
  select(v22,v23,v24) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=
  labs(title = "Doctoral Colloquia")
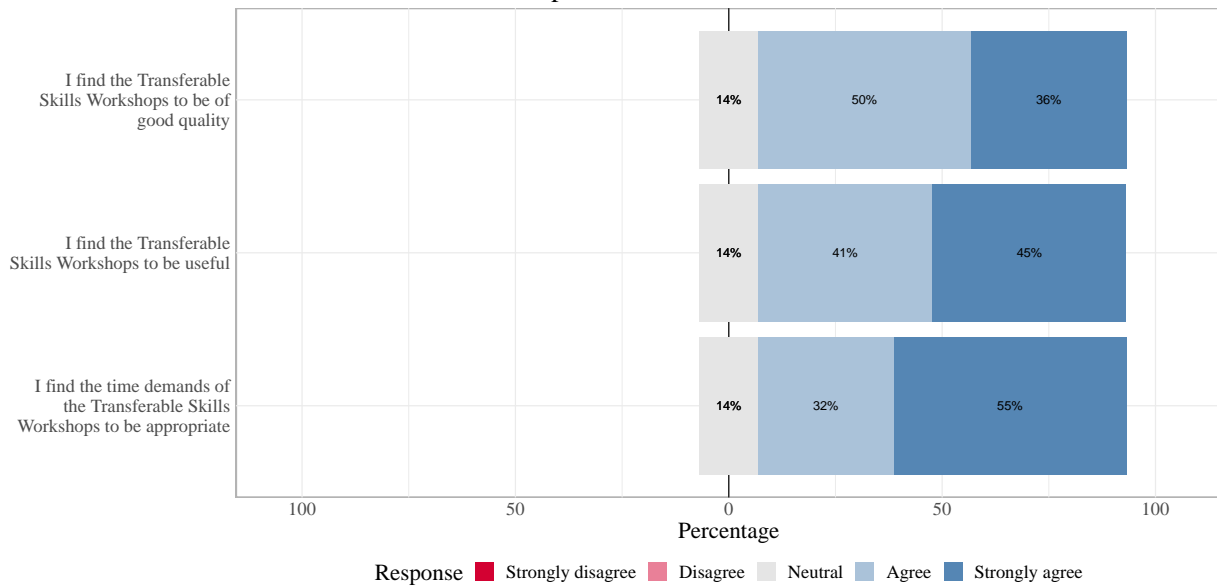```

## Doctoral Colloquia



```
df_lik1 %>%
  select(v25,v26,v27) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=1
  labs(title = "Lecture Series")
```
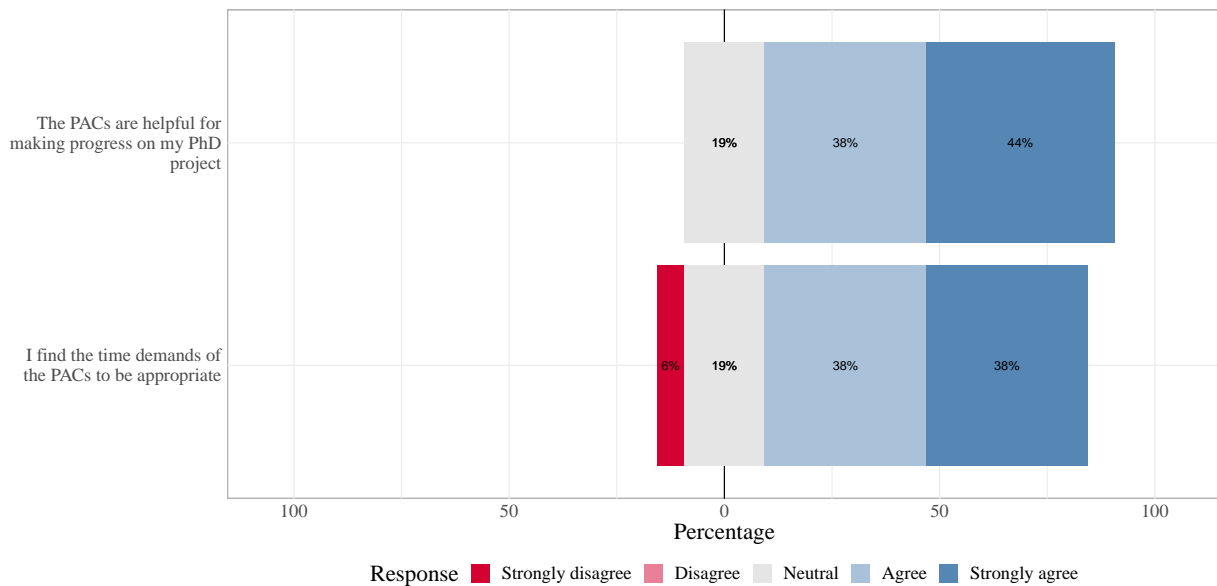
## Lecture Series



```
df_lik1 %>%
  select(v28,v29,v30) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=1
  labs(title = "Transferable Skills Workshops")
```

## Transferable Skills Workshops



```
df_lik1 %>%
  select(v31,v32) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',center=3, wrap=30,plot.percents=TRUE, plot.percent.low=
  labs(title = "PACs")
```

## PACs



```
df_lik1 %>%
  select(v33) %>%
  setNames(get_label(.)) %>%
  likert() %>%
  plot(low.color="#D30132",high.color='#5586B4',wrap=30,plot.percents=TRUE, plot.percent.low=FALSE, plo
  labs(title = "Satisfaction with curriculum")
```

## Satisfaction with curriculum

When you think about the BIGSSS Curriculum overall including all of the above components how satisfied or dissatisfied would you say you are

12% 20% 44% 24%

100 50 0 50 100

Percentage
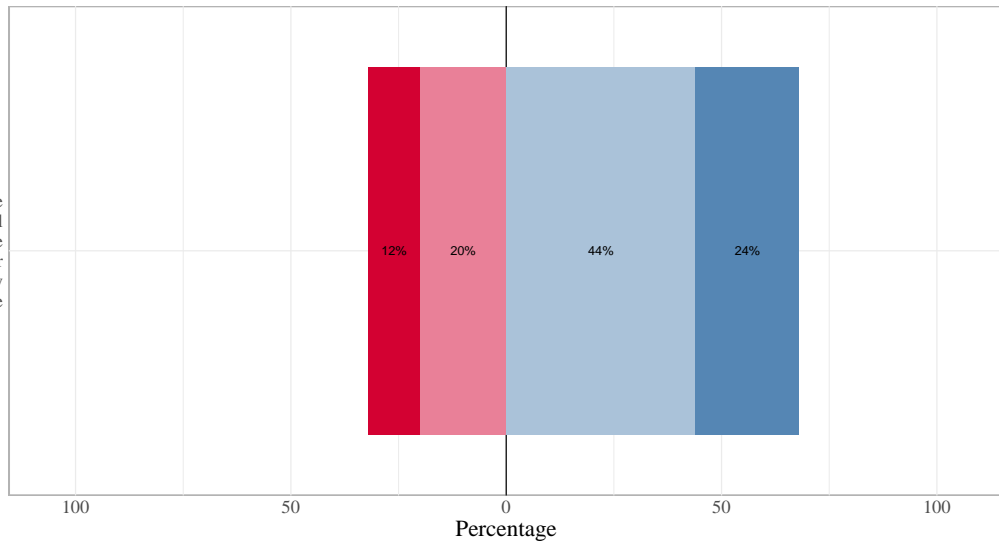
Response ■ Very dissatisfied ■ Somewhat dissatisfied ■ Somewhat satisfied ■ Very satisfied