Analyse des retours des participants

Column

Répartition des réponses

```
library(pacman)
```

```
## Warning: package 'pacman' was built under R version 4.0.3
```

```
p_load("data.table")
p_load("readxl")
p_load("tidyr")
p_load("dplyr")
p_load("magrittr")
library("wordcloud")
```

```
## Warning: package 'wordcloud' was built under R version 4.0.2
```

```
## Loading required package: RColorBrewer
```

```
p_load("ggplot2")
library(viridis)
```

```
## Warning: package 'viridis' was built under R version 4.0.2
```

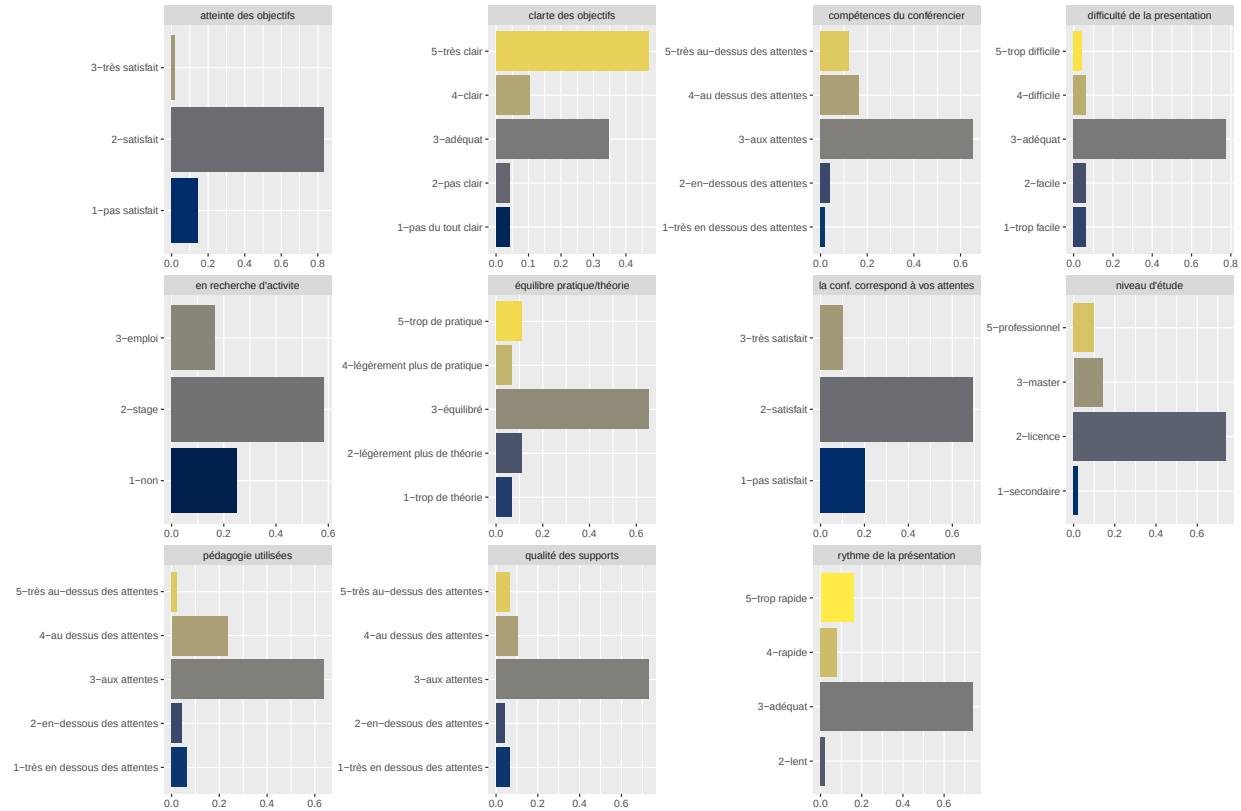
```
## Loading required package: viridisLite
```

```
library(hrbrthemes)
```

```
## Warning: package 'hrbrthemes' was built under R version 4.0.3
```

```
ref = read_excel(file.path("data","feedback.xlsx"),sheet = "questions",col_types = "text")
reponses_all = read_excel(file.path("data","feedback.xlsx"),sheet = "reponse",col_types = "text")

reponses_all[,"ID"]=as.character(seq(1,dim(reponses_all)[1]))

reponses = reponses_all %>% select(-c(`1`,`2`,`8`,`10`,`11`,ID,`12`,`16`,`19`)) %>%
  setnames(.,
           old=as.character(unique(ref$`N°`)),
           new=unique(ref$Variables),skip_absent = TRUE)
```

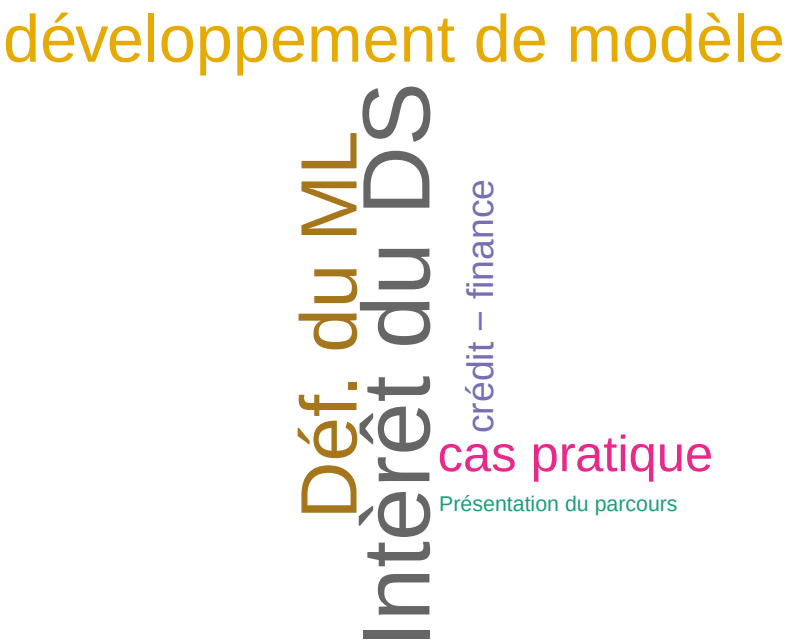
```
mod_func = function(x){
  vect = unlist(strsplit(x,"_"))
  data.table(prop.table(table(vect[!is.na(vect)])))
}

test = lapply(reponses,FUN = mod_func)

for(name in names(test))
  {
  temp = test[[name]]

  temp[,'question'] = name

  temp %<>% left_join(.,y=ref,by=c("question"="Variables","V1"="N° réponse"))

  test[[name]] = temp
}
test = data.table(rbindlist(test))


ggplot(test, aes(fill=Modalites, x=N, y=Modalites)) +
  geom_bar(position="dodge", stat="identity") +
  scale_fill_viridis(discrete = T, option = "E") +
  facet_wrap(~question,scales = "free") +
  theme(legend.position="none") +
  xlab("") + ylab("")
```



Column

thèmes utiles

```
reponses =reponses_all %>% select(c(`8`)) %>%
  setnames(.,
           old=as.character(unique(ref$`N°`)),
           new=unique(ref$Variables),skip_absent = TRUE)

test = lapply(reponses,FUN = mod_func)
for(name in names(test))
{
  temp = test[[name]]

  temp[,'question'] = name

  temp %<>% left_join(.,y=ref,by=c("question"="Variables","V1"="N° réponse"))

  test[[name]] = temp
}
test = data.table(rbindlist(test))

wordcloud(words = test$Modalites, freq = test$N, min.freq = 0,scale=c(3,.5),
          max.words=200, random.order=FALSE, rot.per=0.4,
          colors=brewer.pal(8, "Dark2"))
```



thèmes à développer plus amplement

```
reponses =reponses_all %>% select(c(`10`)) %>%
  setnames(.,
           old=as.character(unique(ref$`N°`)),
           new=unique(ref$Variables),skip_absent = TRUE)

test = lapply(reponses,FUN = mod_func)
for(name in names(test))
{
  temp = test[[name]]

  temp[,'question'] = name

  temp %<>% left_join(.,y=ref,by=c("question"="Variables","V1"="N° réponse"))

  test[[name]] = temp
}
test = data.table(rbindlist(test))

wordcloud(words = test$Modalites, freq = test$N, min.freq = 0,scale=c(3,.5),
          max.words=200, random.order=FALSE, rot.per=0.4,
          colors=brewer.pal(8, "Dark2"))
```

```
## Warning in wordcloud(words = test$Modalites, freq = test$N, min.freq = 0, :
## développement de modèle could not be fit on page. It will not be plotted.
```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