Survey Analysis Refactored

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Loading Data and Update Header

```
my.data=read.csv("Online Recipe Sharing.csv", header=TRUE)
colnames(my.data)
```

```
##
    [1] "Timestamp"
##
    [2] "What.is.your.age."
##
    [3] "Who.is.the.usual.meal.prepper.in.your.household."
   [4] "Do.you..or.any.household.member.you.share.meals.with..have.any.dietary.restrictions."
##
    [5] "How.often.do.you.eat.food.prepared.at.home."
##
       "When.you.are.cooking.using.a.recipe..what.format.do.you.view.the.recipe.in..Select.all.that.ap
##
        "When.you.are.looking.for.a.recipe..what.websites.do.you.visit.the.most.."
##
       "Which.website.do.you.enjoy.using.for.finding.recipes."
##
   [9] "Optional..Explain.what.you.like.about.these.websites."
  [10] "Which.website.do.you.NOT.enjoy.using.for.finding.recipes."
##
  [11] "Optional..Explain.what.you.dislike.about.these.websites."
  [12] "When.deciding.what.to.cook..how.often.do.you.search.for.a.specific.recipe.in.the.search.bar.pr
  [13] "How.often.do.you.use.the.search.bar.to.find.a.recipe.you.have.used.in.the.past."
## [14]
       "When.deciding.on.a.dish.to.prepare..how.often.do.you.browse.available.articles.or.recipe.colle
        "When.deciding.what.to.cook..how.many.recipes.do.you.typically.click.on.before.you.find.a.suita
## [16] "Do.the.websites.you.visit.when.looking.for.inspiration.on.what.to.cook.differ.from.the.website
## [17] "When.you.are.looking.for.cooking.inspiration..what.websites.do.you.visit.the.most.."
## [18] "Which.websites.do.you.enjoy.using.when.looking.for.cooking.inspiration."
## [19] "Optional..Explain.what.you.like.about.these.websites..1"
## [20] "Which.websites.do.you.NOT.enjoy.using.when.looking.for.cooking.inspiration."
## [21] "Optional..Explain.what.you.dislike.about.these.websites..1"
## [22] "When.looking.for.recipe.recommendations.or.reviews.where.do.you.look..Select.all.that.apply"
## [23] "What.source.of.recommendations.or.reviews.is.most.likely.to.influence.your.recipe.choice..Sele
## [24] "How.often.do.you.try.a.new.recipe.based.on.a.recommendation.or.review.from.a.trusted.source."
  [25]
       "How.often.do.you.seek.out.a.recipe.recommendation.or.review.from.a.trusted.source."
  [26] "How.often.do.you.recommend.or.review.a.recipe.you.have.made."
## [27] "How.often.do.you.save.a.recipe.to.use.later."
        "When.saving.recipes.to.use.later..what.tools.do.you.use."
## [29] "How.often.do.you.make.a.recipe.exactly.as.written..As.opposed.to.finding.a.recipe.that.exactly
## [30] "If.you.make.modifications.to.a.recipe.what.factors.influence.your.modifications..Select.all.th
## [31] "How.often.do.you.take.note.of.a.modification.you.have.made.to.a.recipe."
## [32] "How.do.you.take.note.of.modifications.you.have.made.to.a.recipe."
## [33]
       "Are.you.satisfied.with.the.available.options.for.recording.recipe.notes."
       "Would.you.like.to.take.digital.notes.given.better.note.taking.options."
  [35] "How.often.do.you.discuss.a.recipe.you.have.made."
```

```
## [36] "How.often.do.you.read.the.discussion.of.a.recipe."
## [37] "What.medium.do.you.primarily.use.to.discuss.recipes."
## [38] "What.do.you.like.most.about.the.discussion.platforms.you.use."
## [39] "Just.looking.at.the.layout..choose.the.option.you.like.the.most."
## [40] "Just.looking.at.the.layout..choose.the.option.you.like.the.most..1"
## [41] "Just.looking.at.the.layout..choose.the.option.you.like.the.most..2"
## [42] "Just.looking.at.the.layout..choose.the.option.you.like.the.most..3"
## [43] "Just.looking.at.the.layout..choose.the.option.you.like.the.most..4"
## [44] "Just.looking.at.the.layout..choose.the.option.you.like.the.most..5"
colnames(my.data) <- c("Timestamp", "Age", "Primary.Meal.Prepper", "Household.Dietary.Restriction",</pre>
"Home.Cooking.Frequency",
"Primary.Recipe Format",
"Primary.Recipe.Website",
"Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "NOT.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "NOT.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "NOT.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "NOT.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "NOT.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "NOT.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching", "Comments.Enjoyed.Website.Searching."
"Previous.Recipe.Search.Frequency",
"Browsing.While.Searching.Frequecny",
"Click.Rate",
"Search.Browse.Same.Websites",
"Primary.Browsing.Website",
"Enjoyed.Website.Browsing",
"Comments.Enjoyed.Website.Browsing", "NOT.Enjoyed.Website.Browsing", "Comments.NOT.Enjoyed.Website.Brow
"Source.of.Influential.Reviews", "Frequency.Reviews.Effect.Behavior",
"Frequency.Seek.Out.Review",
"Frequency.of.Review",
"Frequency.of.Recipe.Saving",
"Method.of.Recipe.Saving",
"Modification.Frequency",
"Modification.Influence.Factors",
"Modification.Record.Frequency",
"Modification.Record.Method", "Satisfaction.with.Available.Record.Methods",
"Interest.in.Improved.Record.Method",
"Frequency.of.Recipe.Discussion", "Frequency.of.Reading.Discussion",
"Primary.Discussion.Medium", "Enjoyed.Features.of.Discussion.Mediums", "Ingredients.L.V.Above",
"Ingredients.L.Comments.Inline.V.Below", "Ingredients.Above.Comments.Below.V.Inline", "Ingredients.By.S
"Ingredients.By.Step.V.Scroll.L",
"Ingredients.Above.V.Scroll.L")
```

Re-Factor Data

Pre-Process Text Data

```
Pre.process <- function(charlist){
    charlist<-charlist[charlist!=""]
    corp<-VCorpus(VectorSource(charlist))

corp <- tm_map(corp, content_transformer(tolower))
    corp <- tm_map(corp, removePunctuation)

corp<-tm_map(corp, content_transformer(removeWords), stopwords('english'))
    corp<-tm_map(corp,stemDocument)
    corp <- tm_map(corp, stripWhitespace)

return(corp)
}

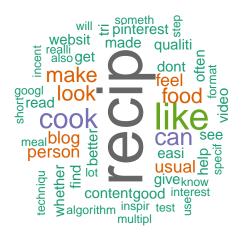
Comments.Enjoyed.Searching.corp<-Pre.process(my.data[,9])
Comments.NOT.Enjoyed.Searching.corp<-Pre.process(my.data[,11])
Comments.Enjoyed.Browsing.corp<-Pre.process(my.data[,19])
Comments.NOT.Enjoyed.Browsing.corp<-Pre.process(my.data[,21])</pre>
```

Create Word Cloud

```
print("Enjoy Searching Responces")

## [1] "Enjoy Searching Responces"

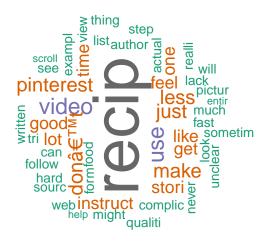
cp <- brewer.pal(8,"Dark2")
wordcloud(words = Comments.Enjoyed.Searching.corp, scale=c(4,0.5), max.words=50,min.freq = 0,random.ord
rot.per=0.25, colors=cp)</pre>
```



```
print("NOT Enjoy Searching Responces")
```

[1] "NOT Enjoy Searching Responces"

wordcloud(words = Comments.NOT.Enjoyed.Searching.corp, scale=c(4,0.5), max.words=50,min.freq = 0,random
rot.per=0.25, colors=cp)



```
print(" Enjoy Browsing Responces")
```

[1] " Enjoy Browsing Responces"

wordcloud(words = Comments.Enjoyed.Browsing.corp, scale=c(2.5,0.25), max.words=50,min.freq = 0,random.or
rot.per=0.25, colors=cp)



```
print("NOT Enjoy Browsing Responces")
```

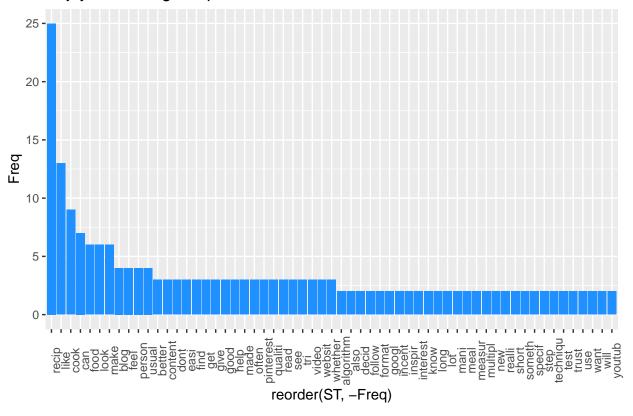
[1] "NOT Enjoy Browsing Responces"

wordcloud(words = Comments.NOT.Enjoyed.Browsing.corp, scale=c(3.5,0.25),min.freq = 0, max.words=50,rand
rot.per=0.25, colors=cp)



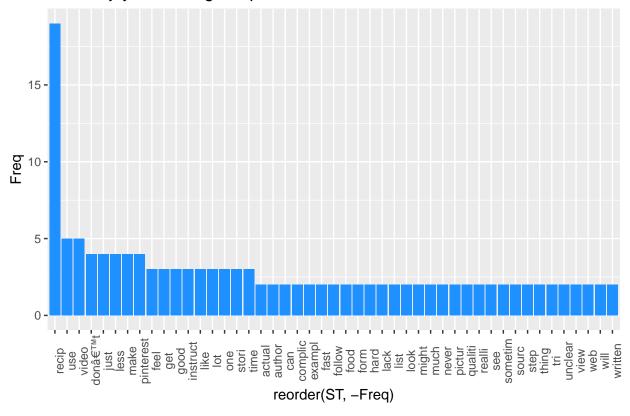
Create Charts

Enjoy Searching Responces

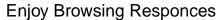


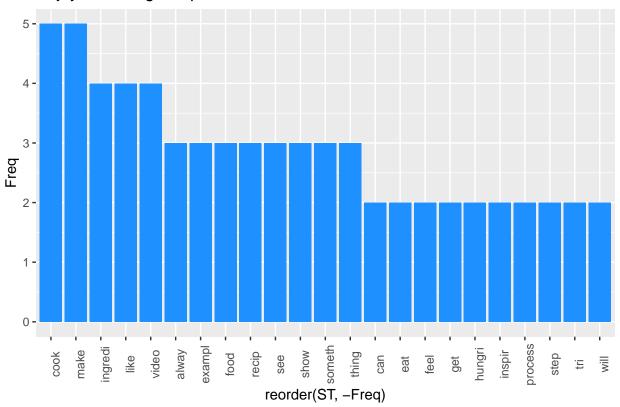
Comments.NOT.Enjoyed.Searching.Plot<-freqchart(Comments.NOT.Enjoyed.Searching.corp)
Comments.NOT.Enjoyed.Searching.Plot + ggtitle("NOT Enjoy Searching Responces")

NOT Enjoy Searching Responces



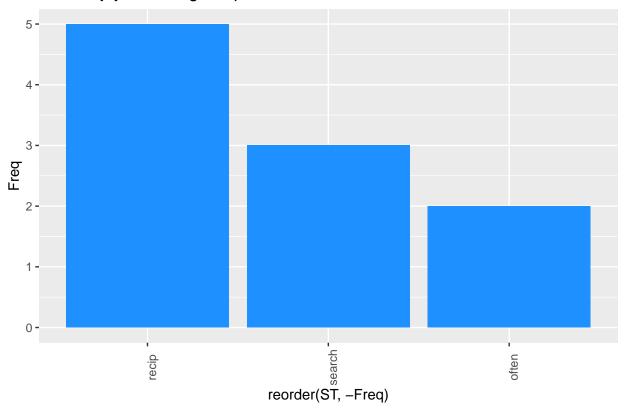
Comments.Enjoyed.Browsing.Plot<-freqchart(Comments.Enjoyed.Browsing.corp)
Comments.Enjoyed.Browsing.Plot + ggtitle("Enjoy Browsing Responces")</pre>





Comments.NOT.Enjoyed.Browsing.Plot<-freqchart(Comments.NOT.Enjoyed.Browsing.corp)
Comments.NOT.Enjoyed.Browsing.Plot + ggtitle("NOT Enjoy Browsing Responces")</pre>

NOT Enjoy Browsing Responces



For the sake of this analysis any website that has a test kitchen that creates editorial content or is able to curate content from proffesional sources is a magazine, a a website with one or two people testing recipes is a blog, and a website that allows users to contribute their own recipes is community based. The information for this classification is found on the website's about page. Additionally, media such as cookbooks and podcasts are classified under Influencers due to their personality driven nature.

```
my.data.selected<-my.data.factored[c(7,8,10,17,18,20,22,23,28,37)]
head(my.data.selected)</pre>
```

```
##
## 1
                                                                                                         On
## 2
## 3 YouTube; Online Cooking Magazines (New York Times, Bon Appetit, etc.); Blogs (Budget Bytes, Smitten
## 4
## 5
## 6
##
## 1
                                      Online Cooking Magazines (New York Times, Bon Appetit, etc.); Blogs
## 2
## 3 Online Cooking Magazines (New York Times, Bon Appetit, etc.); Blogs (Budget Bytes, Smitten Kitchen,
## 4
                                                                                           Online Cooking
## 5
## 6
                                      Online Cooking Magazines (New York Times, Bon Appetit, etc.); Blogs
##
## 1
## 2 Facebook; Reddit; TikTok; Pinterest; YouTube; Online Cooking Magazines (New York Times, Bon Appetit, et
```

```
## 3
## 4
## 5
## 6
                                                                                               Primary.Bro
     Online Cooking Magazines (New York Times, Bon Appetit, etc); Blogs (Budget Bytes, Smitten Kitchen,
## 1
## 2
## 3
                                    Reddit; YouTube; Online Cooking Magazines (New York Times, Bon Appetit
## 4 YouTube; Online Cooking Magazines (New York Times, Bon Appetit, etc); Blogs (Budget Bytes, Smitten K
## 5
## 6
##
                                                                                                 Enjoyed.We
## 1
      Online Cooking Magazines (New York Times, Bon Appetit, etc.); Blogs (Budget Bytes, Smitten Kitchen
## 2
## 3
## 4 YouTube; Online Cooking Magazines (New York Times, Bon Appetit, etc.); Blogs (Budget Bytes, Smitten
## 5
## 6
##
                                             NOT.Enjoyed.Website.Browsing
## 1
                                 Facebook; Reddit; TikTok; Pinterest; YouTube
## 2
## 3 Facebook; Community Based Cooking Websites (AllRecipes, etc.); Google
                                         Facebook; Reddit; TikTok; Pinterest
## 4
## 5
## 6
##
## 1
                                            Blogs (Budget Bytes, Smitten Kitchen, etc.); Online Cooking M
## 2
## 3
                                                              Immediate family / Friends; Groups on social
## 4 Blogs (Budget Bytes, Smitten Kitchen, etc.); Online Cooking Magazines (New York Times, Bon Appetit,
## 5
                                                                                          Online Cooking M
## 6
                Immediate family / Friends; Blogs (Budget Bytes, Smitten Kitchen, etc.); Online Cooking M
##
## 1
                           Blogs (Budget Bytes, Smitten Kitchen, etc.); Online Cooking Magazines (New Yor
## 2
## 3
## 4 Immediate family / Friends; Online Cooking Magazines (New York Times, Bon Appetit, etc.); Recipe Com
## 5
## 6
                                            Immediate family / Friends; Online Cooking Magazines (New Yor
##
                     Method.of.Recipe.Saving
## 1
## 2
                                         None
## 3
                            Browser Bookmarks
## 4 Browser Bookmarks; Digital filing system
## 5
                                       Memory
## 6
                               search history
                                                                                                     Primar
##
## 1
## 2
## 3
                                                                                           In person conve
```

6 Online Cooking Magazines (New York Times, Bon Appetit, etc); Blogs (Budget Bytes, Smitten Kitchen,

Community Based Cooking Websites

4

5

```
variables<-c()</pre>
 for (i in 1:ncol(my.data.selected)){
  temp<- my.data.selected[i]</pre>
  temp<-separate_rows(temp,1, sep = ";")</pre>
  variables<-append(variables,temp[[1]])</pre>
 variables<-unique(variables)</pre>
 data.frame(variables)
}
variables
    [1] "Online Cooking Magazines (New York Times, Bon Appetit, etc.)"
##
   [2] "Blogs (Budget Bytes, Smitten Kitchen, etc.)"
## [3] "Google"
## [4] "YouTube"
##
   [5] "Community Based Cooking Websites (AllRecipes, etc.)"
##
  [6] "Edited recipe websites (e.g. Serious Eats)"
## [7] "Allrecipes "
## [8] "Pinterest"
## [9] "Cooks I follow their websites , ie againstallgrain"
## [10] "TikTok"
## [11] "King Arthur Flour"
## [12] "Facebook"
## [13] "Reddit"
## [14] "epicurious"
## [15] "betty crocker's website"
## [16] "Serious Eats, Americaâ\200\231s Test Kitchen"
## [17] "Serious Eats!"
## [18] "Instagram"
## [19] "King Arthur Flour, NYTimes, NPR"
## [20] "My family and friends directly"
## [21] "Betty Crocker's website"
## [22] ""
## [23] "Any website that buries the recipe under tons of useless text"
## [24] "Online Cooking Magazines (New York Times, Bon Appetit, etc)"
## [25] "Instagram "
## [26] "instagram"
## [27] "I do not dislike"
## [28] "None"
## [29] "Immediate family / Friends"
## [30] "Groups on social media"
## [31] "Recipe Comments/ Other user's reviews"
## [32] "Influencers (Instagram, YouTube, Tiktok, etc.)"
## [33] "Cookbooks, podcasts"
## [34] "Flavcity on facebook"
## [35] "Browser Bookmarks"
## [36] "Digital filing system"
## [37] "Memory"
## [38] "search history"
## [39] "Save function built into your website of choice"
## [40] "Physical filing system"
## [41] "I donâ\200\231t "
## [42] "brain"
```

```
## [43] "memory"
## [44] "I tell myself I won't forget how to make this recipe and then I do :("
## [45] "tiktok favorites"
## [46] "In person conversation with others"
## [47] "Verbal"
## [48] "Word of mouth"
## [49] "Discord"
## [50] "With friends"
## [51] "Friends"
## [52] "Text with friends"
## [53] "Google Docs"
## [54] "Messages with friends and family "
## [55] "talking to people"
## [56] "Actual conversation with a human in person or on the phone"
## [57] "talking"
## [58] "discussing them with friends"
## [59] "Talking to friends and family"
## [60] "Chatting with pals"
## [61] "Privately with family/friends"
## [62] "I don't really. I read comments and will directly give recs to friends"
## [63] "Various channels of communication (i.e. personal text, group chats, etc.)"
## [64] "i don't"
## [65] "I text people, or I check reviews on google"
## [66] "discuss with family and friends "
## [67] "conversations/texts"
## [68] "Messaging platforms"
## [69] "don't really do this"
cleaned.variables<-c(</pre>
  "Mags",
 "Blogs",
  "Google",
  "Youtube",
  "Community Based",
 "Mags",
  "Community Based",
  "Pinterest",
  "Blogs",
 "TikTok",
  "Mags",
  "Facebook",
  "Reddit",
 "Mags",
  "Mags",
  "Mags",
 "Mags",
  "Instagram",
  "Mags",
  "Friends/Family",
 "Blogs",
 "NA",
  "Blogs",
  "Mags",
  "Instagram",
```

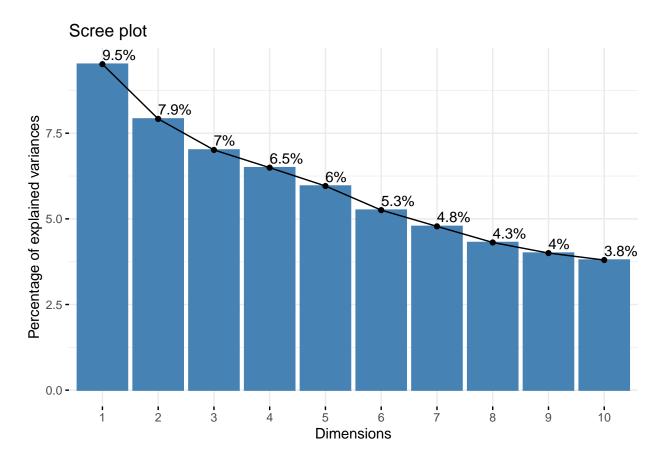
```
"Instagram",
  "None",
  "None",
  "Friends/Family",
  "Online Groups",
  "Other Users",
  "Influencers",
  "Influencers",
  "Facebook",
  "Browser Bookmarks",
  "Digital Filing",
  "Memory",
  "Search History",
  "Save Function",
  "Physical Filing",
  "None",
  "Memory",
  "Memory",
  "Memory",
  "Save Function",
  "Verbal",
  "Verbal",
  "Verbal",
  "Digital Chat",
  "Verbal",
  "Verbal",
  "Digital Chat",
  "Google Docs",
  "Digital Chat",
  "Verbal",
  "Verbal",
  "Verbal",
  "Verbal",
  "Verbal",
  "Verbal",
  "Verbal",
  "Verbal",
  "Digital Chat",
  "None",
  "Digital Chat",
  "Verbal",
  "Digital Chat",
  "Digital Chat",
  "None"
names(cleaned.variables)<-variables</pre>
head(cleaned.variables)
```

```
## "Google"
## YouTube
## "Youtube"
## Community Based Cooking Websites (AllRecipes, etc.)
## "Community Based"
## Edited recipe websites (e.g. Serious Eats)
## "Mags"
```

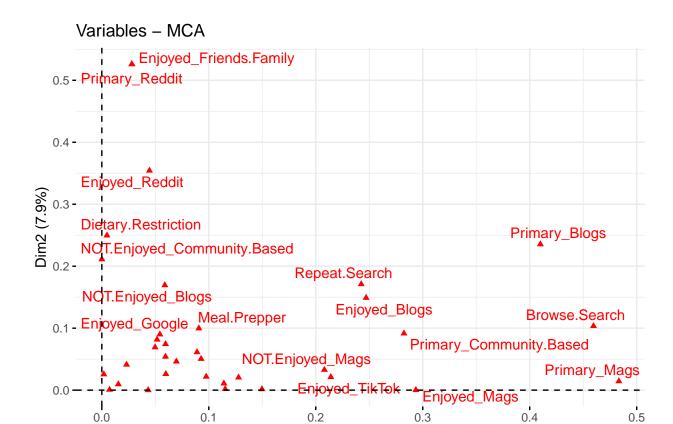
The Average User

```
Numeric.data<-my.data.factored %>% select(where(is.numeric))
my.data.factored%>%group_by(Age,Primary.Meal.Prepper, Household.Dietary.Restriction,Home.Cooking.Freque
## # A tibble: 17 x 16
               Age, Primary. Meal. Prepper, Household. Dietary. Restriction [11]
              Primary.Meal.Pre~ Household.Dietar~ Home.Cooking.Fr~ Recipe.Search.B~
      Age
##
      <fct>
              <fct>
                                 <fct>
                                                    <fct>
                                                                                 <dbl>
##
  1 18 - 2~ Respondent
                                 No
                                                    Daily
                                                                                  2.71
## 2 18 - 2~ Respondent
                                 No
                                                    Weekly
                                                                                  3
## 3 18 - 2~ Respondent
                                 Yes
                                                                                  3
                                                    Daily
## 4 18 - 2~ Respondent
                                 Yes
                                                    Monthly
                                                                                  3
                                                                                  2.67
## 5 18 - 2~ Respondent
                                 Yes
                                                    Weekly
## 6 18 - 2~ Other
                                 No
                                                    Daily
                                                                                  3
## 7 18 - 2~ Other
                                 No
                                                    Weekly
                                                                                  2
## 8 18 - 2~ Other
                                 Yes
                                                                                  2.33
                                                    Daily
## 9 18 - 2~ Other
                                 Yes
                                                                                  4.5
                                                    Monthly
## 10 25 - 3~ Respondent
                                 No
                                                    Daily
                                                                                  4
## 11 25 - 3~ Respondent
                                                                                  4.5
                                 Yes
                                                    Daily
## 12 25 - 3~ Other
                                 No
                                                    Daily
                                                                                  4
## 13 25 - 3~ Other
                                 No
                                                                                  1
                                                    Weekly
## 14 35 - 4~ Respondent
                                 Yes
                                                    Daily
                                                                                  2
                                                                                  2
## 15 45 - 5~ Respondent
                                 No
                                                    Daily
                                                                                  3.5
## 16 55 - 6~ Respondent
                                 No
                                                    Daily
## 17 55 - 6~ Respondent
                                 Yes
                                                    Daily
                                                                                  3.5
## # ... with 11 more variables: Previous.Recipe.Search.Frequency <dbl>,
       Browsing. While. Searching. Frequecny <dbl>,
## #
       Frequency.Reviews.Effect.Behavior <dbl>, Frequency.Seek.Out.Review <dbl>,
## #
       Frequency.of.Review <dbl>, Frequency.of.Recipe.Saving <dbl>,
       Modification.Frequency <dbl>, Modification.Record.Frequency <dbl>,
## #
## #
       Satisfaction.with.Available.Record.Methods <dbl>,
## #
       Frequency.of.Recipe.Discussion <dbl>, Frequency.of.Reading.Discussion <dbl>
\# summarise(q1= quantile(probs = c(.25), na.rm=TRUE), med= median())
my.data.clean < -my.data.factored[-c(9,11,19,21)]
search.data<-my.data.clean[c(2,3,4,5,7,8,9,11,12,13)]
search.data<-data.frame(search.data)</pre>
colnames(search.data) <- c("Age", "Meal.Prepper", "Dietary.Restriction", "Home.Cook.Freq", "Primary", "Enjoye
search.data<-tibble::rowid to column(search.data, "ID")</pre>
search.data<- search.data%>% replace_na(list(NOT.Enjoyed)
="None"))
```

```
dummies<-function(search.data, to.clean){</pre>
  col.names<-c(names(search.data))</pre>
  col.names<-col.names[col.names!=to.clean]</pre>
  search.data.clean<- search.data%>% separate_rows(to.clean, sep = ";")
  search.data.clean[[to.clean]] <- as.character(cleaned.variables[search.data.clean[[to.clean]]])</pre>
  search.data.dummies<-search.data.clean%>%
    select(to.clean)%>%
    dummy()%>%
    bind_cols(search.data.clean)%>%
    select(-to.clean)%>%
     pivot_longer(cols=-col.names, names_to = "key", values_to = "value")%>%
     filter(value!=0)%>%
    unique()%>%
   spread(key, value, fill = 0)
cleaned<-dummies(search.data,c("Primary"))</pre>
## Note: Using an external vector in selections is ambiguous.
## i Use 'all_of(to.clean)' instead of 'to.clean' to silence this message.
## i See <a href="https://tidyselect.r-lib.org/reference/faq-external-vector.html">https://tidyselect.r-lib.org/reference/faq-external-vector.html>.
## This message is displayed once per session.
## Note: Using an external vector in selections is ambiguous.
## i Use 'all_of(col.names)' instead of 'col.names' to silence this message.
## i See <https://tidyselect.r-lib.org/reference/faq-external-vector.html>.
## This message is displayed once per session.
cleaned<-dummies(cleaned,c("Enjoyed"))</pre>
cleaned<-dummies(cleaned, c("NOT.Enjoyed"))</pre>
cleaned=cleaned%>%mutate(Repeat.Search= cut(Repeat.Search, c(0, 1.2, 2.5,3.5,4.5,5.5),right=FALSE,label
cols<-names(cleaned)</pre>
cleaned.factored<-lapply(cleaned[cols], as.factor)</pre>
cleaned.search.data<-data.frame(cleaned[-c(1)])</pre>
search.MCA=MCA(cleaned.search.data,graph=FALSE)
fviz_screeplot(search.MCA,addlabels=T)
```



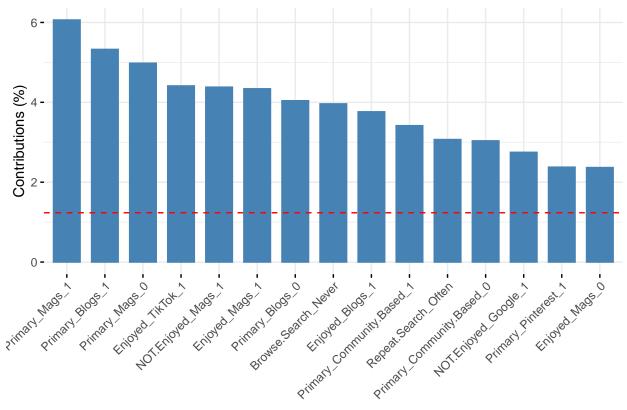
Warning: ggrepel: 18 unlabeled data points (too many overlaps). Consider
increasing max.overlaps



fviz_contrib(search.MCA, choice = "var", axes = 1, top = 15)

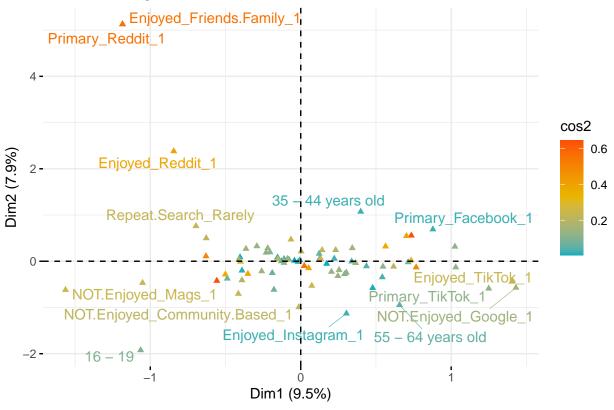
Dim1 (9.5%)

Contribution of variables to Dim-1



Warning: ggrepel: 67 unlabeled data points (too many overlaps). Consider
increasing max.overlaps

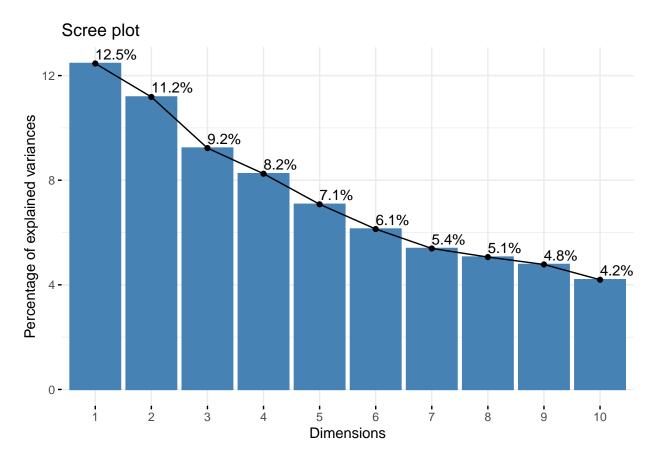
Variable categories – MCA



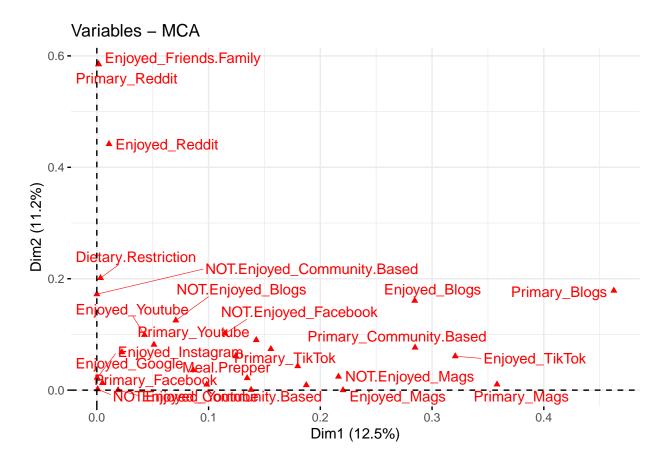
Turn MCA/ cleaning into a functions we can group by different things

```
clean.mca<-function(search.data){</pre>
  search.data<-tibble::rowid_to_column(search.data, "ID")</pre>
  search.data<- search.data%>% replace_na(list(NOT.Enjoyed
  ="None"))
  cleaned<-dummies(search.data,c("Primary"))</pre>
  cleaned<-dummies(cleaned,c("Enjoyed"))</pre>
  cleaned<-dummies(cleaned, c("NOT.Enjoyed"))</pre>
  # cleaned=cleaned%>\mutate(Repeat.Search= cut(Repeat.Search, c(0, 1.2, 2.5,3.5,4.5,5.5),right=FALSE,
                                                    labels=c("Never", "Rarely", "Sometimes", "Often", "Always"
                             # Browse.Search = cut(Browse.Search, c(0, 1.2, 2.5,3.5,4.5,5.5), right=FALSE,
                             #
                                                     labels=c("Never", "Rarely", "Sometimes", "Often", "Always
                             # )
  cols<-names(cleaned)
  cleaned.factored<-lapply(cleaned[cols], as.factor)</pre>
  cleaned.search.data<-data.frame(cleaned[-c(1)])</pre>
  return(cleaned.search.data)
my.data.clean < -my.data.factored[-c(9,11,19,21)]
search.data<-my.data.clean[c(3,4,7,8,9)]
search.data<-data.frame(search.data)</pre>
colnames(search.data)<-c( "Meal.Prepper", "Dietary.Restriction", "Primary", "Enjoyed", "NOT.Enjoyed")</pre>
cleaned.unfactored<-clean.mca(search.data)</pre>
mca.unfactored<-MCA(cleaned.unfactored,graph=FALSE)</pre>
```

fviz_screeplot(mca.unfactored,addlabels=T)

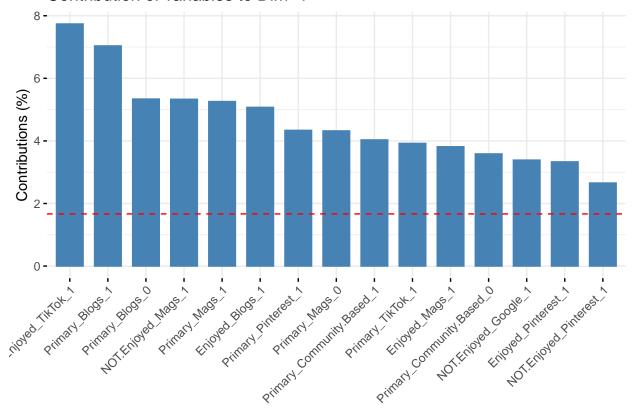


Warning: ggrepel: 7 unlabeled data points (too many overlaps). Consider
increasing max.overlaps



fviz_contrib(mca.unfactored, choice = "var", axes = 1, top = 15)

Contribution of variables to Dim-1



Warning: ggrepel: 49 unlabeled data points (too many overlaps). Consider
increasing max.overlaps

