

# Feedback MTurk Study

Dahler Battle, Guy El Khoury, Jane Hung, and Julian Tsang

## Introduction

## Load Data

```
# ?register_google
# register_google(key = "AIzaSyCTk2a5vIEqcvgz9KmQmItoNF7J8_hiMMk")
#
# #uses Google API to obtain location data based on longitude and latitude....dont use unless necessary
# d_respondents_only[, c("houenumber", "street", "city", "county", "state", "zip", "country") := revg
# #
# head(d_respondents_only)
# #
# #
# fwrite(d_respondents_only, file='datatable_clean_survey_responses_v2.dta')
```

```
d_respondents <- fread('datatable_clean_survey_responses_v2.dta')

setnames(d_respondents,
  old = c('Duration (in seconds)'),
  new = c('Survey_Duration'))
head(d_respondents)
```

##	StartDate	EndDate	Status	IPAddress	Progress
## 1:	2020-11-09 20:46:55	2020-11-09 20:50:39	IP Address	174.88.123.135	100
## 2:	2020-11-09 20:47:33	2020-11-09 20:51:24	IP Address	172.93.166.91	100
## 3:	2020-11-09 20:47:23	2020-11-09 20:51:35	IP Address	68.36.215.223	100
## 4:	2020-11-09 20:46:32	2020-11-09 20:51:43	IP Address	99.75.53.174	100
## 5:	2020-11-09 20:47:44	2020-11-09 20:52:08	IP Address	24.35.119.43	100
## 6:	2020-11-09 20:46:47	2020-11-09 20:52:39	IP Address	98.212.214.93	100
##	Survey_Duration	Finished	RecordedDate	ResponseId	
## 1:	223	TRUE	2020-11-09 20:50:39	R_VLuUQ4C82PP9HEd	
## 2:	231	TRUE	2020-11-09 20:51:25	R_29cCZD1XK1dpmdY	
## 3:	251	TRUE	2020-11-09 20:51:35	R_31VN8EncJofnqnV	
## 4:	310	TRUE	2020-11-09 20:51:43	R_50vJlmoFTK1IeB	
## 5:	264	TRUE	2020-11-09 20:52:08	R_1dFaKMSjyE3FJHg	
## 6:	351	TRUE	2020-11-09 20:52:39	R_25vjj4Ik4Dkm2UN	
##	RecipientLastName	RecipientFirstName	RecipientEmail	ExternalReference	
## 1:	NA	NA	NA	NA	
## 2:	NA	NA	NA	NA	
## 3:	NA	NA	NA	NA	
## 4:	NA	NA	NA	NA	
## 5:	NA	NA	NA	NA	
## 6:	NA	NA	NA	NA	

```

##      LocationLatitude LocationLongitude DistributionChannel UserLanguage
## 1:      43.68      -79.29      anonymous      EN
## 2:      33.75      -84.39      anonymous      EN
## 3:      42.66      -83.12      anonymous      EN
## 4:      42.00      -88.14      anonymous      EN
## 5:      40.08      -82.97      anonymous      EN
## 6:      42.01      -88.10      anonymous      EN
##      Amazon_Turk_ID Gender Q82_3_TEXT Age_Range      Education_Level
## 1:  A4D99Y82KOLC8   Male      NA      35-44      Trade school
## 2:  A1AC47WJLW4G7   Male      NA      25-34 Master's degree and above
## 3:  A77K8W55MJEXX Female      NA      45-54      Bachelor's degree
## 4:  A17TKHT8FEVHOR   Male      NA      25-34      Associate's degree
## 5:  A1AOWM00JMOF7Z Female      NA      25-34      Trade school
## 6:  A2V08C41JJIQY9   Male      NA      25-34 Master's degree and above
##      Q1      Q2      Q3      Q4      Q5      Q6      Q7
## 1: Pneumonia Normal Normal Pneumonia Normal Pneumonia Pneumonia
## 2: Pneumonia Normal Normal Pneumonia Normal Normal Normal
## 3: Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Normal
## 4: Normal Pneumonia Pneumonia Normal Pneumonia Pneumonia Pneumonia
## 5: Normal Pneumonia Pneumonia Normal Pneumonia Pneumonia Pneumonia
## 6: Pneumonia Normal Normal Pneumonia Pneumonia Pneumonia Normal
##      Q8      Q9      Q10
## 1: Normal Pneumonia Pneumonia
## 2: Normal Normal Pneumonia
## 3: Normal Pneumonia Pneumonia
## 4: Normal Pneumonia Normal
## 5: Normal Pneumonia Normal
## 6: Pneumonia Pneumonia Pneumonia
##
## 1:
## 2:
## 3:
## 4:
## 5: The sentiment that this place brings, and how much hospitality means to them. How open, diverse and
## 6:
##      Q70_First Click Q70_Last Click Q70_Page Submit Q70_Click Count      Q11
## 1:      NA      NA      NA      NA      NA      Normal
## 2:      NA      NA      NA      NA      NA      Normal
## 3:      NA      NA      NA      NA      NA      Pneumonia
## 4:      NA      NA      NA      NA      NA      Pneumonia
## 5:      31.08      31.08      77.39      1      Normal
## 6:      NA      NA      NA      NA      NA      Normal
##      Q12      Q13      Q14      Q15      Q16      Q17      Q18
## 1: Normal Pnuemonia Pneumonia Pneumonia Normal Normal Pneumonia
## 2: Normal Pnuemonia Normal Normal Pneumonia Normal Pneumonia
## 3: Normal Pnuemonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 4: Normal Pnuemonia Normal Normal Normal Pneumonia Normal
## 5: Pneumonia Normal Pneumonia Pneumonia Normal Pneumonia Pneumonia
## 6: Normal Pnuemonia Pneumonia Normal Normal Pneumonia Pneumonia
##      Q19      Q20
## 1: Pneumonia Normal
## 2: Normal Pneumonia
## 3: Pneumonia Pneumonia
## 4: Pneumonia Pneumonia

```

```

## 5: Normal Pneumonia
## 6: Pneumonia Pneumonia
##
## 1:
## 2:
## 3:
## 4:
## 5: It brings awareness to a serious issue that can harm people. It's an advertisement to bring people
## 6:
## Q90_First Click Q90_Last Click Q90_Page Submit Q90_Click Count Q21
## 1: NA NA NA NA Pneumonia
## 2: NA NA NA NA Normal
## 3: NA NA NA NA Pneumonia
## 4: NA NA NA NA Normal
## 5: 10.13 68.74 70.97 2 Pneumonia
## 6: NA NA NA NA Normal
## Q22 Q23 Q24 Q25 Q26 Q27 Q28
## 1: Pneumonia Normal Pneumonia Normal Pneumonia Pneumonia Normal
## 2: Pneumonia Pneumonia Normal Normal Normal Pneumonia Normal
## 3: Pneumonia Normal Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 4: Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Normal Pneumonia
## 5: Pneumonia Pneumonia Normal Pneumonia Normal Normal Pneumonia
## 6: Pneumonia Pneumonia Normal Pneumonia Normal Normal Pneumonia
## Q29 Q30 Q36
## 1: Normal Pneumonia
## 2: Pneumonia Normal
## 3: Pneumonia Pneumonia
## 4: Pneumonia Normal
## 5: Pneumonia Pneumonia
## 6: Normal Normal
##
## Self_Reflect_Q1
## 1:
## 2:
## 3:
## 4: I think I did pretty good. I was not expecting to do as well as I did.
## 5:
## 6:
## Q61_First Click Q61_Last Click Q61_Page Submit Q61_Click Count Q41
## 1: NA NA NA NA
## 2: NA NA NA NA
## 3: NA NA NA NA
## 4: 32.36 43.79 111.6 3
## 5: NA NA NA NA
## 6: NA NA NA NA
##
## Self_Reflect_Q2
## 1:
## 2:
## 3:
## 4: I think I did incredible. I only got 2 wrong. This was harder than the previous page.
## 5:
## 6:
## Q62_First Click Q62_Last Click Q62_Page Submit Q62_Click Count
## 1: NA NA NA NA
## 2: NA NA NA NA

```

## 3: NA NA NA NA

## 4: 10.06 10.06 100.3 1

## 5: NA NA NA NA

## 6: NA NA NA NA

##

## 1:

## 2:

## 3:

## 4:

## 5:

## 6: Image 2Correct diagnosis: Normal\nYou chose: \${q://QID5/ChoiceGroup/SelectedChoices}\n

## Q63\_First Click Q63\_Last Click Q63\_Page Submit Q63\_Click Count Q43

## 1: NA NA NA NA

## 2: NA NA NA NA

## 3: NA NA NA NA

## 4: NA NA NA NA

## 5: NA NA NA NA

## 6: 1.205 100.7 108 16

## Q64\_First Click Q64\_Last Click Q64\_Page Submit Q64\_Click Count Q45

## 1: NA NA NA NA NA

## 2: NA NA NA NA NA

## 3: NA NA NA NA NA

## 4: NA NA NA NA NA

## 5: NA NA NA NA NA

## 6: 76.03 101.2 102.4 3 NA

## Q65\_First Click Q65\_Last Click Q65\_Page Submit Q65\_Click Count Q47

## 1: NA NA NA NA NA

## 2: 14.69 16.23 47.68 2 NA

## 3: NA NA NA NA NA

## 4: NA NA NA NA NA

## 5: NA NA NA NA NA

## 6: NA NA NA NA NA

## Q66\_First Click Q66\_Last Click Q66\_Page Submit Q66\_Click Count Q46

## 1: NA NA NA NA NA

## 2: 5.75 18.28 46.59 2 NA

## 3: NA NA NA NA NA

## 4: NA NA NA NA NA

## 5: NA NA NA NA NA

## 6: NA NA NA NA NA

## Q67\_First Click Q67\_Last Click Q67\_Page Submit Q67\_Click Count Q48

## 1: 0.855 57.41 58.20 29 NA

## 2: NA NA NA NA NA

## 3: 16.263 16.26 50.06 1 NA

## 4: NA NA NA NA NA

## 5: NA NA NA NA NA

## 6: NA NA NA NA NA

## Q68\_First Click Q68\_Last Click Q68\_Page Submit Q68\_Click Count Total\_Score

## 1: 0.530 60.605 61.22 15 16

## 2: NA NA NA NA 12

## 3: 9.427 9.427 49.63 1 15

## 4: NA NA NA NA 21

## 5: NA NA NA NA 14

## 6: NA NA NA NA 18

## Random ID Assignment Q1\_Score Q2\_Score Q3\_Score Q4\_Score Q5\_Score Q6\_Score

Q38

```

## 1:      14409      FL_41      0      1      0      1      1      1
## 2:      58508      FL_16      0      1      0      1      1      0
## 3:      96075      FL_41      0      0      1      1      0      1
## 4:      74553      FL_14      1      0      1      0      0      1
## 5:      35543      FL_17      1      0      1      0      0      1
## 6:      84565      FL_15      0      1      0      1      0      1
##      Q7_Score Q8_Score Q9_Score Q10_Score Q11_Score Q12_Score Q13_Score Q14_Score
## 1:      1      1      1      0      0      1      0      1
## 2:      0      1      0      0      0      1      0      0
## 3:      0      1      1      0      1      1      0      1
## 4:      1      1      1      1      1      1      0      0
## 5:      1      1      1      1      0      0      0      1
## 6:      0      0      1      0      0      1      0      1
##      Q15_Score Q16_Score Q17_Score Q18_Score Q19_Score Q20_Score Q21_Score
## 1:      0      1      0      0      0      1      1
## 2:      1      0      0      0      0      0      1
## 3:      0      0      1      0      1      0      0
## 4:      1      1      1      1      1      0      1
## 5:      0      1      1      0      0      0      0
## 6:      1      1      1      0      1      0      1
##      Q22_Score Q23_Score Q24_Score Q25_Score Q26_Score Q27_Score Q28_Score
## 1:      0      0      0      0      1      1      0
## 2:      0      1      1      0      0      1      0
## 3:      0      0      0      1      1      1      1
## 4:      0      1      0      1      1      0      1
## 5:      0      1      1      1      0      0      1
## 6:      0      1      1      1      0      0      1
##      Q29_Score Q30_Score Assignment_Group TaskPhase1_Score TaskPhase2_Score
## 1:      1      0 Negative Images      0.7      0.5
## 2:      0      1 Positive Images      0.4      0.2
## 3:      0      0 Negative Images      0.5      0.5
## 4:      0      1 Self-Reflect      0.7      0.7
## 5:      0      0 Control      0.7      0.3
## 6:      1      1 Medical Feedback      0.4      0.6
##      TaskPhase3_Score housenumber      street      city
## 1:      0.3      351      Glen Manor Drive      Toronto
## 2:      0.5      262 Capitol Avenue Southeast      Atlanta
## 3:      0.4      440      Bedlington Drive Rochester Hills
## 4:      0.6      1200      Sycamore Avenue      Hanover Park
## 5:      0.4      1913      Brookfield Road      Columbus
## 6:      0.7      617      Boxwood Drive      Schaumburg
##      county      state      zip      country
## 1:      Canada      Ontario M4E 2X8      Canada
## 2: United States      Georgia      30312 United States
## 3: United States      Michigan      48307 United States
## 4: United States      Illinois      60133 United States
## 5: United States      Ohio      43229 United States
## 6: United States      Illinois      60193 United States

```

```
nrow(d_respondents)
```

```
## [1] 350
```

```
#remove duplicate Amazon Turk IDs
```

```
nrow(d_respondents) #350 rows
```

```
## [1] 350
```

```
d_respondents <- d_respondents[ !duplicated(d_respondents$Amazon_Turk_ID) , ] #350 rows
```

## EDA

### Helper Functions

```
create_heatmap <- function(var1, var2) {  
  ### Create a heatmap for a table of frequencies between two variables ###  
  df <- data.frame(table(var1,var2))  
  
  ggplot(df,aes(x=var1,y=var2)) +  
    geom_tile(aes(fill=Freq,color=Freq),show.legend=FALSE,alpha=.8) +  
    geom_text(aes(label=Freq)) +  
    scale_fill_continuous(high = "darkslategray4", low = "powderblue")  
}  
  
g_legend<-function(a.gplot){  
  #extract legend from a ggplot object  
  #https://stackoverflow.com/questions/13649473/add-a-common-legend-for-combined-ggplots  
  #https://github.com/hadley/ggplot2/wiki/Share-a-legend-between-two-ggplot2-graphs  
  tmp <- ggplot_gtable(ggplot_build(a.gplot))  
  leg <- which(sapply(tmp$grobs, function(x) x$name) == "guide-box")  
  legend <- tmp$grobs[[leg]]  
  return(legend)}  
  
#some EDA  
  
#d_respondents[ , table(state, country)]  
  
table(d_respondents$state, d_respondents$country) %>%  
  as.data.frame() %>%  
  arrange(desc(Freq)) %>%  
  filter(Freq>0)
```

##	Var1	Var2	Freq
## 1	Tamil Nadu	India	107
## 2	California	United States	72
## 3	New York	United States	22
## 4	Kansas	United States	21
## 5	Texas	United States	15
## 6	Florida	United States	9
## 7	Massachusetts	United States	7
## 8	Missouri	United States	6
## 9	Connecticut	United States	5
## 10	Georgia	United States	5
## 11	Indiana	United States	5
## 12	Michigan	United States	5
## 13	New Jersey	United States	5
## 14	Illinois	United States	4
## 15	Virginia	United States	4
## 16	Kerala	India	3

```
## 17      Maharashtra      India 3
## 18      Colorado United States 3
## 19      Kentucky United States 3
## 20      Maryland United States 3
## 21      North Carolina United States 3
## 22      Oregon United States 3
## 23      Ontario Canada 2
## 24      Alabama United States 2
## 25      Idaho United States 2
## 26      Minnesota United States 2
## 27      Mississippi United States 2
## 28      Nevada United States 2
## 29      Ohio United States 2
## 30      Pennsylvania United States 2
## 31      Washington United States 2
## 32      Qarku i Tiranës Albania 1
## 33      Khulna Division Bangladesh 1
## 34      Bahia Brazil 1
## 35      Atacama Chile 1
## 36 Provence-Alpes-Côte d'Azur France 1
## 37      Departamento de Olancho Honduras 1
## 38      Andhra Pradesh India 1
## 39      Karnataka India 1
## 40      Sardegna Italy 1
## 41      England United Kingdom 1
## 42      Arizona United States 1
## 43      Iowa United States 1
## 44      Louisiana United States 1
## 45      Maine United States 1
## 46      Nebraska United States 1
## 47      Oklahoma United States 1
## 48      South Carolina United States 1
## 49      South Dakota United States 1
## 50      Tennessee United States 1
```

```
table(d_respondents$country) %>%
  as.data.frame() %>%
  arrange(desc(Freq))
```

```
##      Var1 Freq
## 1 United States 225
## 2      India 115
## 3      Canada 2
## 4      Albania 1
## 5      Bangladesh 1
## 6      Brazil 1
## 7      Chile 1
## 8      France 1
## 9      Honduras 1
## 10      Italy 1
## 11 United Kingdom 1
```

```
table(d_respondents$Total_Score) %>%
  as.data.frame() %>%
  arrange(desc(Var1))
```

```
##      Var1 Freq
## 1      27    1
## 2      26    1
## 3      25    4
## 4      24   12
## 5      23   15
## 6      22   16
## 7      21   22
## 8      20   27
## 9      19   21
## 10     18   31
## 11     17   40
## 12     16   40
## 13     15   30
## 14     14   30
## 15     13   19
## 16     12   18
## 17     11   13
## 18     10    6
## 19      9    3
## 20      8    1
```

```
d_respondents %>%
  group_by(Assignment_Group) %>%
  summarise(mean = mean(Total_Score),
            count = n(),
            time_duration = mean(Survey_Duration))
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```

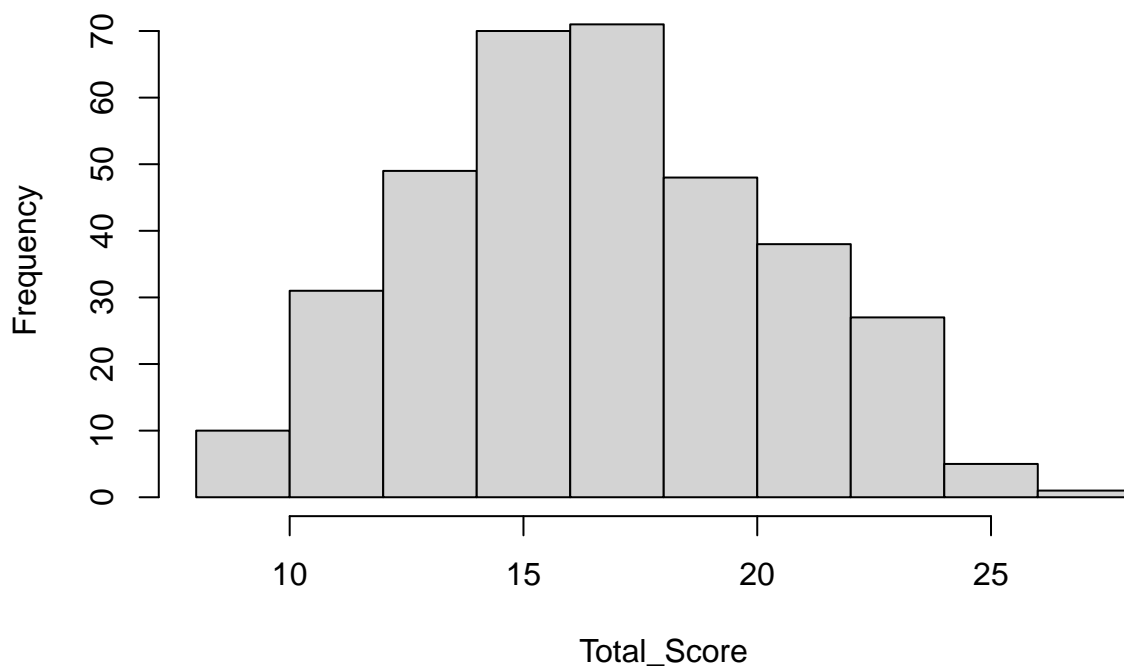
```
## # A tibble: 5 x 4
##   Assignment_Group mean count time_duration
##   <chr>          <dbl> <int>      <dbl>
## 1 Control        16.7    69      638.
## 2 Medical Feedback 17.8    70      656.
## 3 Negative Images 16.5    72      783
## 4 Positive Images 17.3    70      505.
## 5 Self-Reflect   17.2    69      612.
```

```
#d_respondents[, .(count = .N, avg = mean(Total_Score)), by=Assignment_Group] #same thing
```

```
d_respondents[, hist(Total_Score)]
```



## Histogram of Total\_Score



```
## $breaks
## [1]  8 10 12 14 16 18 20 22 24 26 28
##
## $counts
## [1] 10 31 49 70 71 48 38 27  5  1
##
## $density
## [1] 0.014286 0.044286 0.070000 0.100000 0.101429 0.068571 0.054286 0.038571
## [9] 0.007143 0.001429
##
## $mids
## [1]  9 11 13 15 17 19 21 23 25 27
##
## $xname
## [1] "Total_Score"
##
## $equidist
## [1] TRUE
##
## attr("class")
## [1] "histogram"
```

```
tapply(d_respondents$Total_Score, d_respondents$Assignment_Group, summary)
```

```
## $Control
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    8.0   14.0   16.0   16.7   19.0   24.0
##
## $`Medical Feedback`
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
```

```
##      10.0      16.0      17.5      17.8      20.0      24.0
##
## $`Negative Images`
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##      9.0      13.0      16.0      16.5      19.2      25.0
##
## $`Positive Images`
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##      9.0      15.0      17.0      17.3      20.0      27.0
##
## $`Self-Reflect`
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##      9.0      14.0      17.0      17.2      20.0      25.0
```

```
tapply(d_respondents$Total_Score, d_respondents$Assignment_Group, sd)
```

```
##           Control Medical Feedback  Negative Images  Positive Images
##           3.659                3.279                3.996                3.817
##      Self-Reflect
##           3.882
```

```
d_respondents[, sd(Total_Score)]
```

```
## [1] 3.743
```

```
library(ggmap)
?register_google
register_google(key = "AIzaSyCTk2a5vIEqcvgz9KmQmItoNF7J8_hiMMk")
# ggmap_show_api_key()

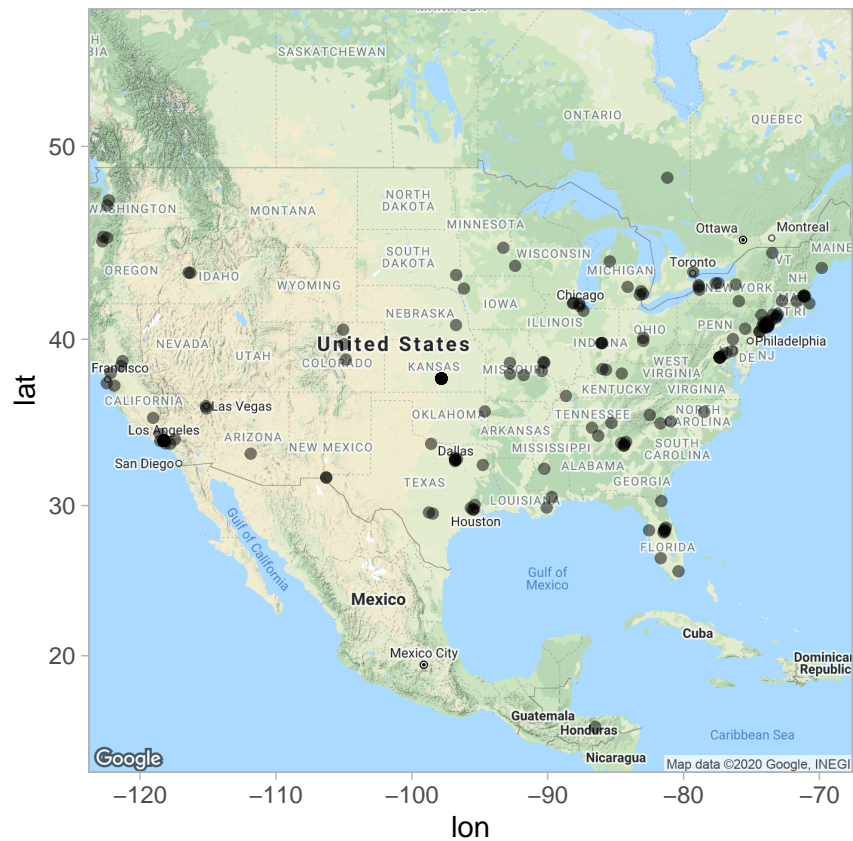
us_map<-get_map(location='united states', zoom=4, maptype = "terrain",
                 source='google',color='color')
```

```
## Source : https://maps.googleapis.com/maps/api/staticmap?center=united%20states&zoom=4&size=640x640&s
```

```
## Source : https://maps.googleapis.com/maps/api/geocode/json?address=united+states&key=xxx
```

```
ggmap(us_map) + geom_point(x=d_respondents$LocationLongitude, y = d_respondents$LocationLatitude, show_
```

```
## Warning: `show_guide` has been deprecated. Please use `show.legend` instead.
```



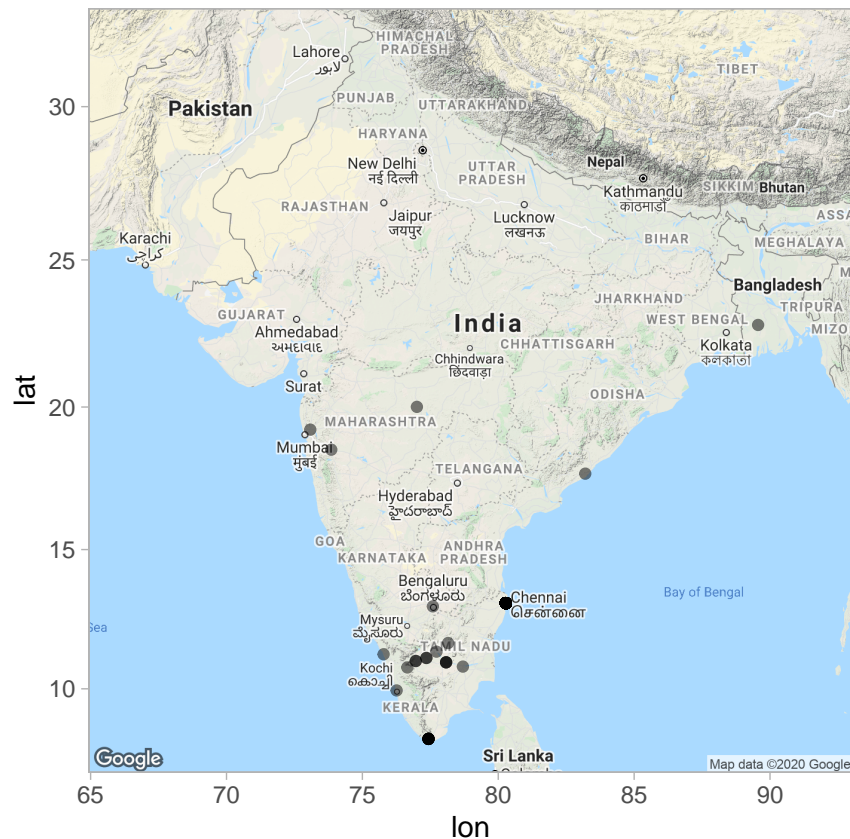
```
india_map<-get_map(location='india', zoom=5, maptype = "terrain",
                  source='google',color='color')
```

```
## Source : https://maps.googleapis.com/maps/api/staticmap?center=india&zoom=5&size=640x640&scale=2&map
```

```
## Source : https://maps.googleapis.com/maps/api/geocode/json?address=india&key=xxx
```

```
ggmap(india_map) + geom_point(x=d_respondents$LocationLongitude, y = d_respondents$LocationLatitude, sh
```

```
## Warning: `show_guide` has been deprecated. Please use `show.legend` instead.
```



## Randomization Check

<http://www.sthda.com/english/wiki/chi-square-goodness-of-fit-test-in-r>

```
respondent_counts <- d_respondents[ , .(N), keyby=Assignment_Group]

respondent_counts_chisq_test <- chisq.test(respondent_counts[,2], p=c(1/5, 1/5, 1/5, 1/5, 1/5))
pander(respondent_counts_chisq_test, style = 'rmarkdown')
```

Table 1: Chi-squared test for given probabilities:  
respondent\_counts[, 2]

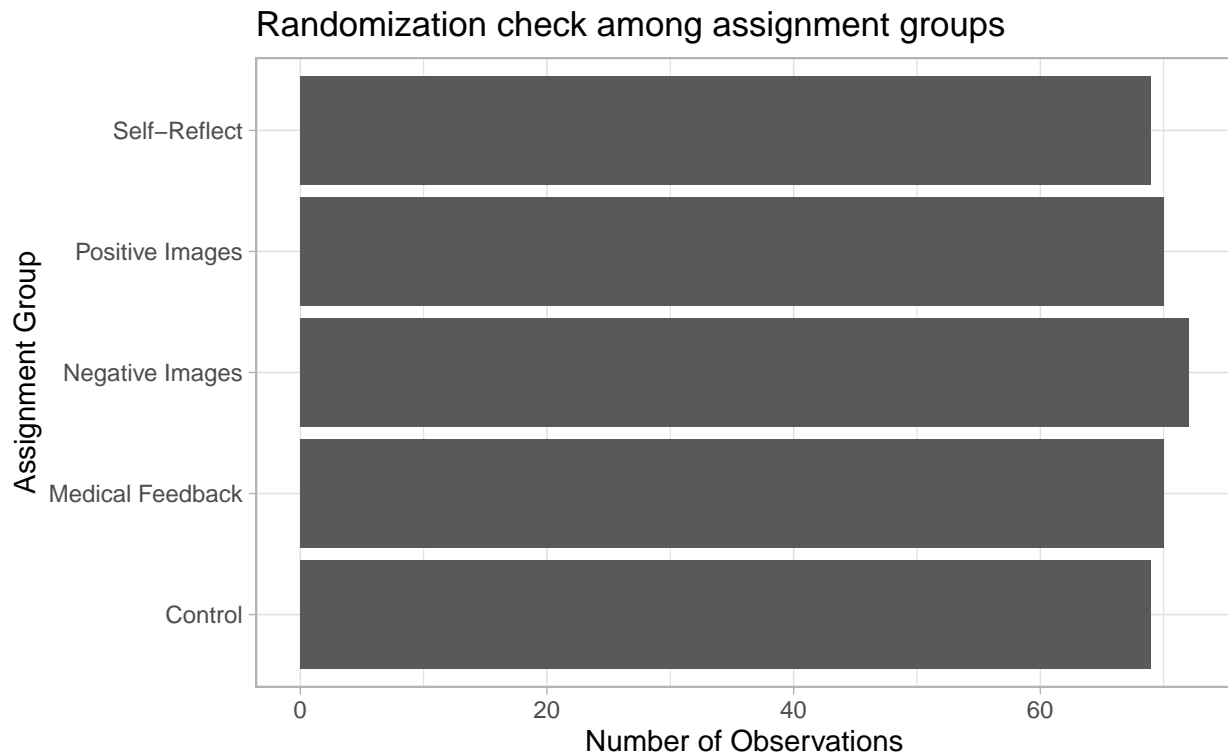
Test statistic	df	P value
0.08571	4	0.9991

```
respondent_counts %>%
  ggplot(aes(x = Assignment_Group, y=N)) +
  geom_bar(stat = 'identity') +
  coord_flip() +
  xlab('Assignment Group') +
  ylab('Number of Observations') +
  labs(title='Randomization check among assignment groups',
       caption = paste0('Assuming equal distribution among assignment groups, a chi-squared goodness of
round(respondent_counts_chisq_test$parameter,4),' degrees of \nfreedom ', 'yield
round(respondent_counts_chisq_test$p.value,4),
```

```

', suggesting that the observed proportions are not significantly different from
theme(plot.caption = element_text(hjust = 0))

```



Assuming equal distribution among assignment groups, a chi-squared goodness of fit test with 4 degrees of freedom yields  $p=0.9991$ , suggesting that the observed proportions are not significantly different from the expected proportions at a significance level of 0.05.

*#p-value = 0.9991, which is greater than significance level of 0.05.  
 #We can conclude that the observed proportions are not significantly different from the expected proportions*

## Covariate Balance Check

*#let's consider adding age bins and education bins*

```

d_respondents[ Age_Range == "18-24", age_bin := 1]
d_respondents[ Age_Range == "25-34", age_bin := 2]
d_respondents[ Age_Range == "35-44", age_bin := 3]
d_respondents[ Age_Range == "45-54", age_bin := 4]
d_respondents[ Age_Range == "55-64", age_bin := 5]
d_respondents[ Age_Range == "Above 65", age_bin := 6]

d_respondents[ Education_Level == "Associate's degree", edu_bin := 1]
d_respondents[ Education_Level == "Bachelor's degree", edu_bin := 2]
d_respondents[ Education_Level == "High school", edu_bin := 3]
d_respondents[ Education_Level == "Master's degree and above", edu_bin := 4]
d_respondents[ Education_Level == "Some high school", edu_bin := 5]
d_respondents[ Education_Level == "Trade school", edu_bin := 6]

d_respondents[ Assignment_Group == "Control", assign_bin := 1]
d_respondents[ Assignment_Group == "Medical Feedback", assign_bin := 2]

```

```

d_respondents[ Assignment_Group == "Negative Images", assign_bin := 3]
d_respondents[ Assignment_Group == "Positive Images", assign_bin := 4]
d_respondents[ Assignment_Group == "Self-Reflect", assign_bin := 5]

d_respondents[ , US_Dummy := ifelse(country == "United States", 1, 0)]

d_respondents[ , Male_Dummy := ifelse(Gender == "Male", 1, 0)]

#add treatment dummy

d_respondents[ , Treatment_Dummy := ifelse(Assignment_Group != "Control", 1, 0)]

#head(d_respondents)

d_respondents %>%
  group_by(Assignment_Group) %>%
  summarise(num_respondents = n(),
            pre_treatment_avg = mean(TaskPhase1_Score),
            taskphase2_avg = mean(TaskPhase2_Score),
            taskphase3_avg = mean(TaskPhase3_Score))

## `summarise()` ungrouping output (override with `.groups` argument)

## # A tibble: 5 x 5
##   Assignment_Group num_respondents pre_treatment_a~ taskphase2_avg
##   <chr>              <int>          <dbl>          <dbl>
## 1 Control              69            0.607            0.461
## 2 Medical Feedback     70            0.634            0.523
## 3 Negative Images      72            0.578            0.494
## 4 Positive Images      70            0.614            0.514
## 5 Self-Reflect         69            0.599            0.526
## # ... with 1 more variable: taskphase3_avg <dbl>

d_respondents %>%
  group_by(Assignment_Group) %>%
  summarise(num_respondents = n(),
            avg_age_bin = mean(age_bin),
            avg_edu_bin = mean(edu_bin),
            male = mean(Male_Dummy),
            US = mean(US_Dummy))

## `summarise()` ungrouping output (override with `.groups` argument)

## # A tibble: 5 x 6
##   Assignment_Group num_respondents avg_age_bin avg_edu_bin male    US
##   <chr>              <int>          <dbl>          <dbl> <dbl> <dbl>
## 1 Control              69            2.68            2.61 0.609 0.652
## 2 Medical Feedback     70            2.63            2.47 0.586 0.529
## 3 Negative Images      72            2.62            2.58 0.583 0.625
## 4 Positive Images      70            2.86            2.6  0.586 0.714
## 5 Self-Reflect         69            2.83            2.42 0.594 0.696

d_respondents %>%
  group_by(Assignment_Group) %>%
  summarise(num_respondents = n(),
            )

```

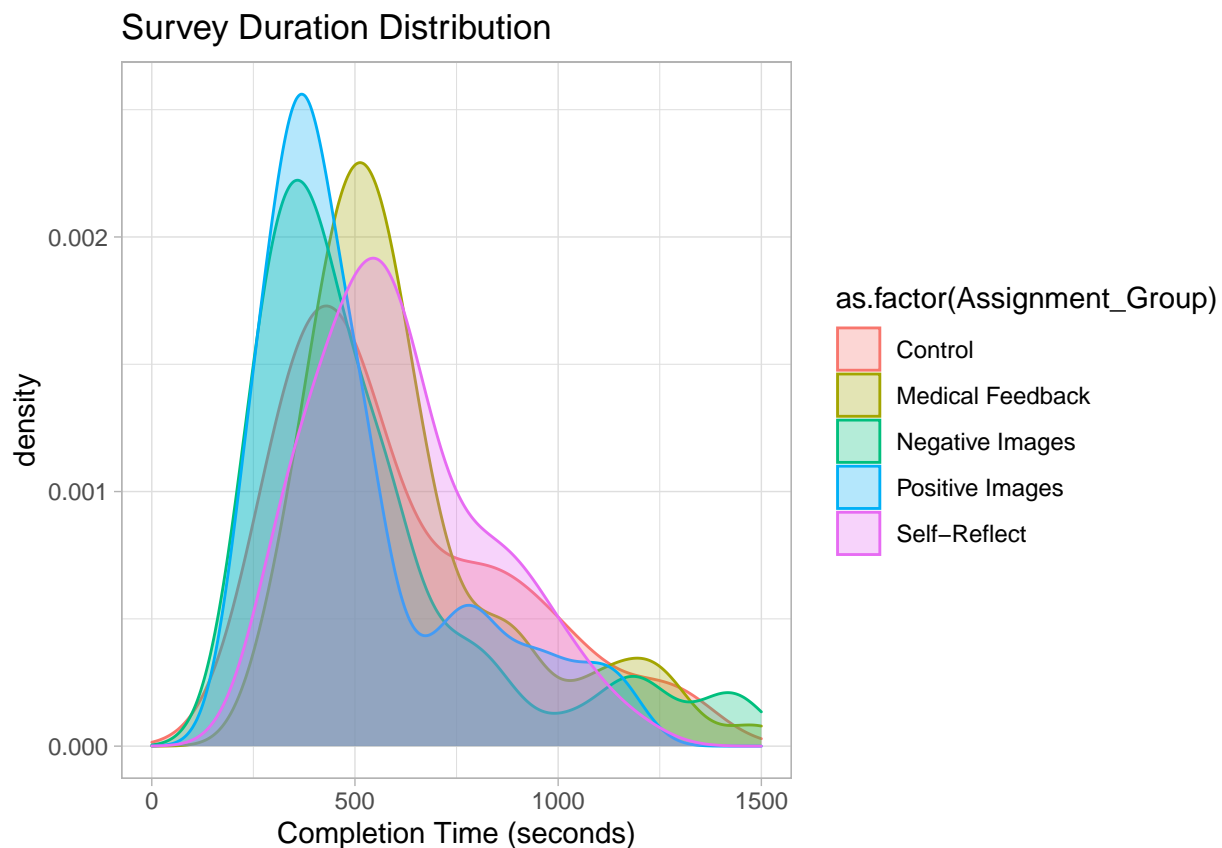
```
## `summarise()` ungrouping output (override with `.groups` argument)

## # A tibble: 5 x 2
##   Assignment_Group num_respondents
##   <chr>             <int>
## 1 Control           69
## 2 Medical Feedback  70
## 3 Negative Images   72
## 4 Positive Images   70
## 5 Self-Reflect      69
```

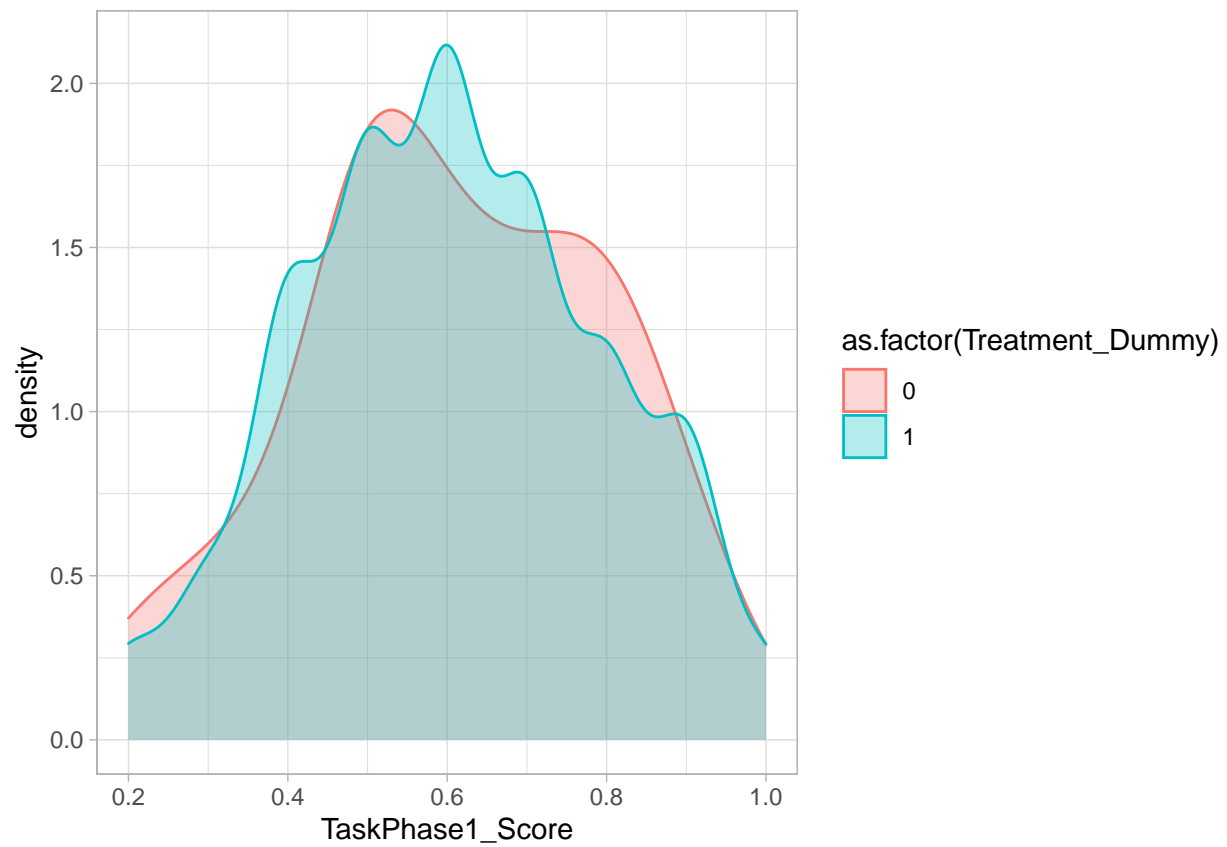
## Visuals

```
#Density distribution of Survey Duration
ggplot(d_respondents, aes(x=Survey_Duration, colour=as.factor(Assignment_Group), fill = as.factor(Assignment_Group))) +
  geom_density(alpha = 0.3) +
  xlim(0, 1500) +
  xlab("Completion Time (seconds)") +
  ggtitle("Survey Duration Distribution")
```

```
## Warning: Removed 6 rows containing non-finite values (stat_density).
```



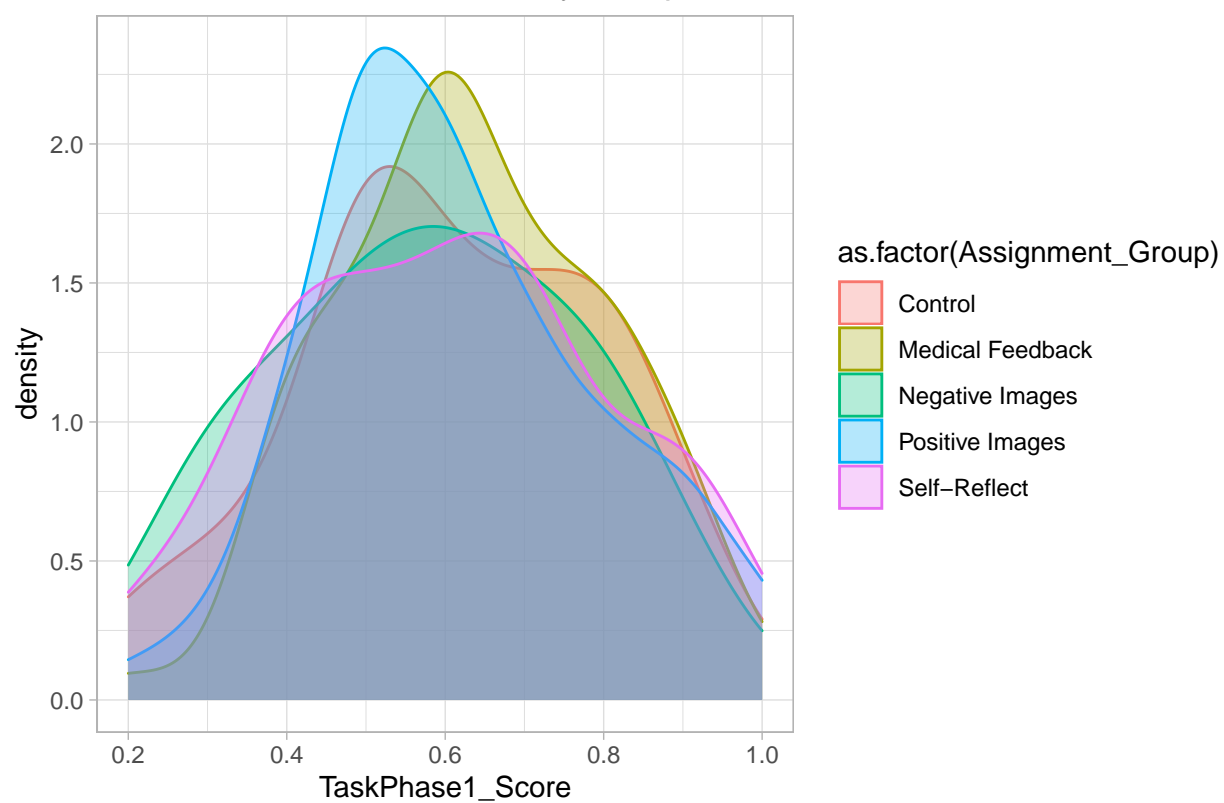
```
#Comparing pretreatment values
ggplot(d_respondents, aes(x=TaskPhase1_Score, fill = as.factor(Treatment_Dummy), colour=as.factor(Treatment_Dummy))) +
```



```
ggplot(d_respondents, aes(x=TaskPhase1_Score, fill = as.factor(Assignment_Group), colour=as.factor(Assignment_Group)))
```

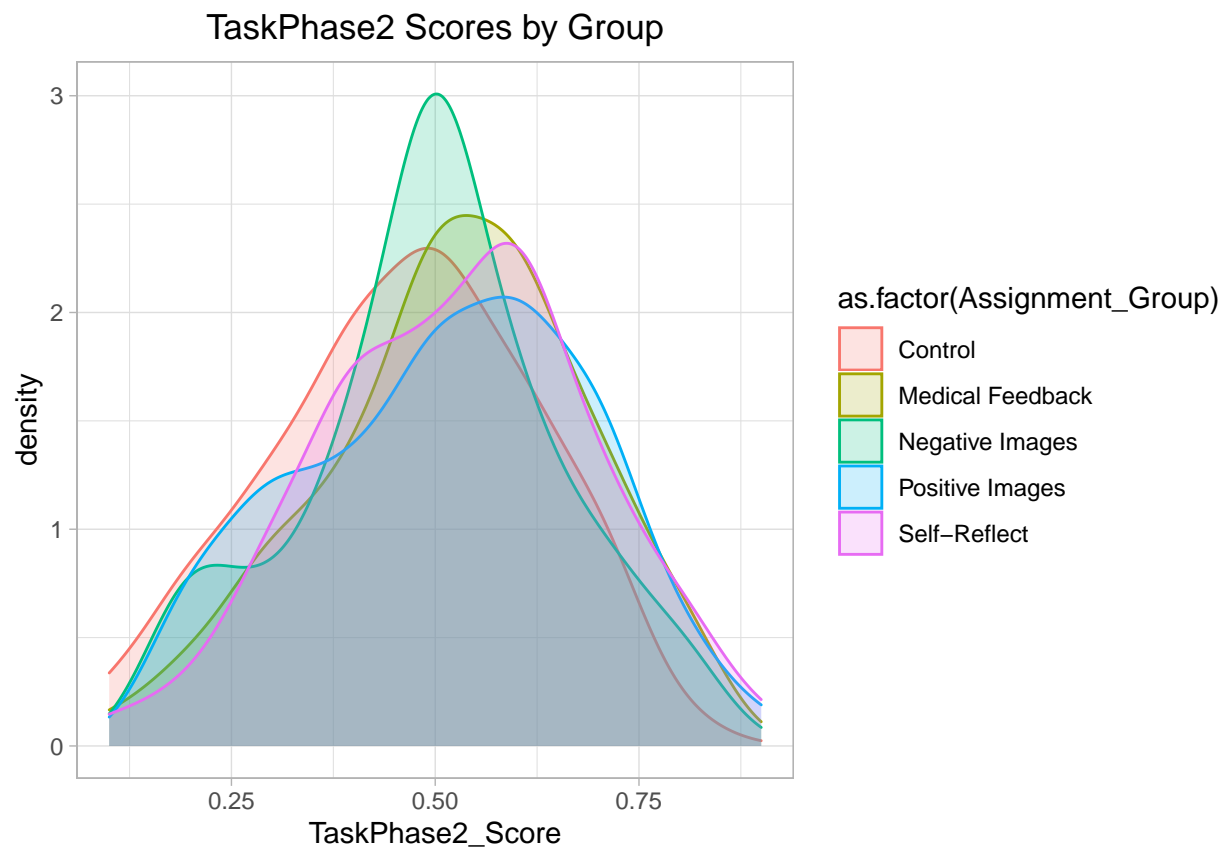


PreTreatment Scores by Group



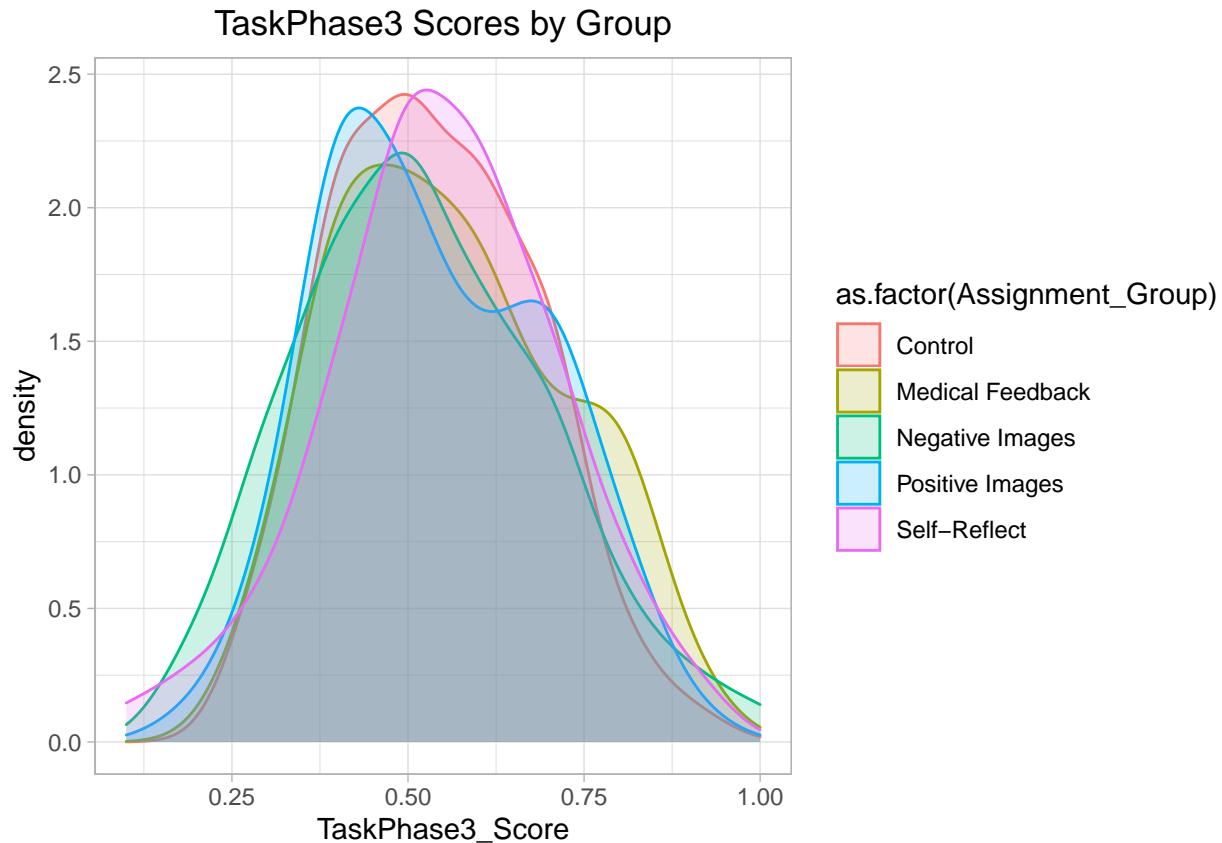
*#Comparing taskphase2 values*

```
ggplot(d_respondents, aes(x=TaskPhase2_Score, fill = as.factor(Assignment_Group), colour=as.factor(Assignment_Group)))
```



*#Comparing taskphase3 values*

```
ggplot(d_respondents, aes(x=TaskPhase3_Score, fill = as.factor(Assignment_Group), colour=as.factor(Assignment_Group)))
```



*# TODO add these boxplots for binary treatment/control groups*

```
task2a_bp <- ggplot(d_respondents, aes(x = Treatment_Dummy, y=TaskPhase1_Score, colour=as.factor(Treatment_Dummy))) +
  geom_boxplot() +
  stat_summary(fun.y = mean, geom = "errorbar", aes(ymax = ..y.., ymin = ..y..), width = .75, linetype = "solid") +
  xlab('') +
  ylab('Task Score (%)') +
  ggtitle("Pre Treatment Scores") +
  scale_y_continuous(labels = scales::percent, limits = c(0,1)) +
  theme(axis.text.x = element_blank(),
        axis.ticks = element_blank(),
        plot.title = element_text(hjust = 0.5, size=10),
        legend.position = "bottom",
        legend.title = element_blank())
```

## Warning: `fun.y` is deprecated. Use `fun` instead.

```
task2b_bp <- ggplot(d_respondents, aes(x = Treatment_Dummy, y=TaskPhase2_Score, colour=as.factor(Treatment_Dummy))) +
  geom_boxplot() +
  stat_summary(fun.y = mean, geom = "errorbar", aes(ymax = ..y.., ymin = ..y..), width = .75, linetype = "solid") +
  xlab('') +
  ylab('') +
  ggtitle("Task Phase 2 Scores") +
  scale_y_continuous(labels = scales::percent, limits = c(0,1)) +
  theme(axis.text.x = element_blank(),
        axis.ticks = element_blank(),
        plot.title = element_text(hjust = 0.5, size=10),
        legend.position = "none")
```

```
## Warning: `fun.y` is deprecated. Use `fun` instead.
```

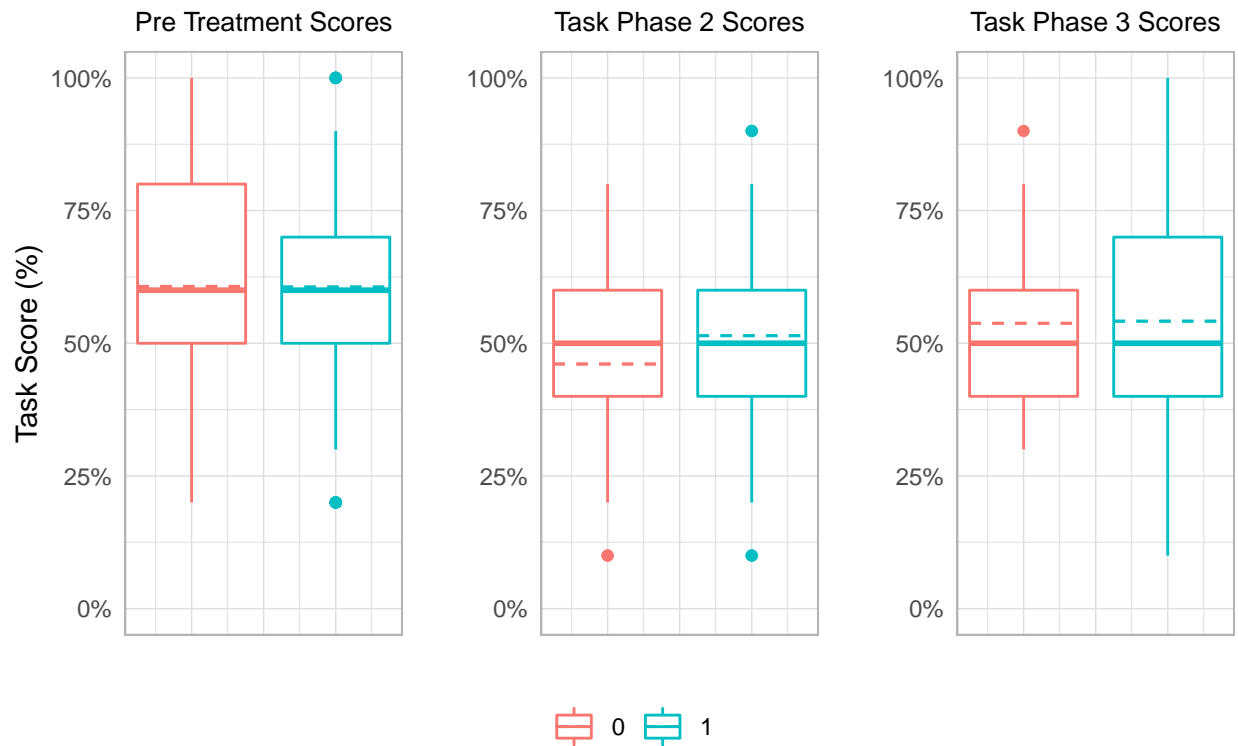
```
task2c_bp <- ggplot(d_respondents, aes(x = Treatment_Dummy, y=TaskPhase3_Score, colour=as.factor(Treatment_Dummy))) +
  geom_boxplot() +
  stat_summary(fun.y = mean, geom = "errorbar", aes(ymax = ..y.., ymin = ..y..), width = .75, linetype="dashed") +
  xlab('') +
  ylab('') +
  ggtitle("Task Phase 3 Scores") +
  scale_y_continuous(labels = scales::percent, limits = c(0,1)) +
  theme(axis.text.x = element_blank(),
        axis.ticks = element_blank(),
        plot.title = element_text(hjust = 0.5, size=10),
        legend.position = "none")
```

```
## Warning: `fun.y` is deprecated. Use `fun` instead.
```

```
mylegend_2<-g_legend(task2a_bp)
```

```
grid.arrange(arrangeGrob(task2a_bp + theme(legend.position="none"), task2b_bp, task2c_bp, ncol=3),
  mylegend_2,
  nrow=2,
  heights=c(10,1),
  top = textGrob("Compare task scores in different phases\n", just='right', gp=gpar(fontsize=14)))
```

Compare task scores in different phases



```
# boxplots for multiple treatment groups
```

```
task1a_bp <- ggplot(d_respondents, aes(x = Assignment_Group, y=TaskPhase1_Score, colour=as.factor(Assignment_Group))) +
  geom_boxplot() +
```

```

stat_summary(fun.y = mean, geom = "errorbar", aes(ymax = ..y.., ymin = ..y..), width = .75, linetype = "solid",
xlab('') +
ylab('Task Score (%)') +
ggtitle("Pre Treatment Scores") +
scale_y_continuous(labels = scales::percent,limits = c(0,1)) +
theme(axis.text.x = element_blank(),
axis.ticks = element_blank(),
plot.title = element_text(hjust = 0.5,size=10),
legend.position = "bottom",
legend.title = element_blank())

## Warning: `fun.y` is deprecated. Use `fun` instead.

task1b_bp <- ggplot(d_respondents, aes(x = Assignment_Group, y=TaskPhase2_Score, colour=as.factor(Assignment_Group)) +
geom_boxplot() +
stat_summary(fun.y = mean, geom = "errorbar", aes(ymax = ..y.., ymin = ..y..), width = .75, linetype = "solid",
xlab('') +
ylab('') +
ggtitle("Task Phase 2 Scores") +
scale_y_continuous(labels = scales::percent,limits = c(0,1)) +
theme(axis.text.x = element_blank(),
axis.ticks = element_blank(),
plot.title = element_text(hjust = 0.5,size=10),
legend.position = "none")

## Warning: `fun.y` is deprecated. Use `fun` instead.

task1c_bp <- ggplot(d_respondents, aes(x = Assignment_Group, y=TaskPhase3_Score, colour=as.factor(Assignment_Group)) +
geom_boxplot() +
stat_summary(fun.y = mean, geom = "errorbar", aes(ymax = ..y.., ymin = ..y..), width = .75, linetype = "solid",
xlab('') +
ylab('') +
ggtitle("Task Phase 3 Scores") +
scale_y_continuous(labels = scales::percent,limits = c(0,1)) +
theme(axis.text.x = element_blank(),
axis.ticks = element_blank(),
plot.title = element_text(hjust = 0.5,size=10),
legend.position = "none")

## Warning: `fun.y` is deprecated. Use `fun` instead.

mylegend_1<-g_legend(task1a_bp)

grid.arrange(arrangeGrob(task1a_bp + theme(legend.position="none"),task1b_bp,task1c_bp,ncol=3),
mylegend_1,
nrow=2,
heights=c(10,1),
top = textGrob("Compare task scores in different phases\n",just='right',gp=gpar(fontsize=14)))

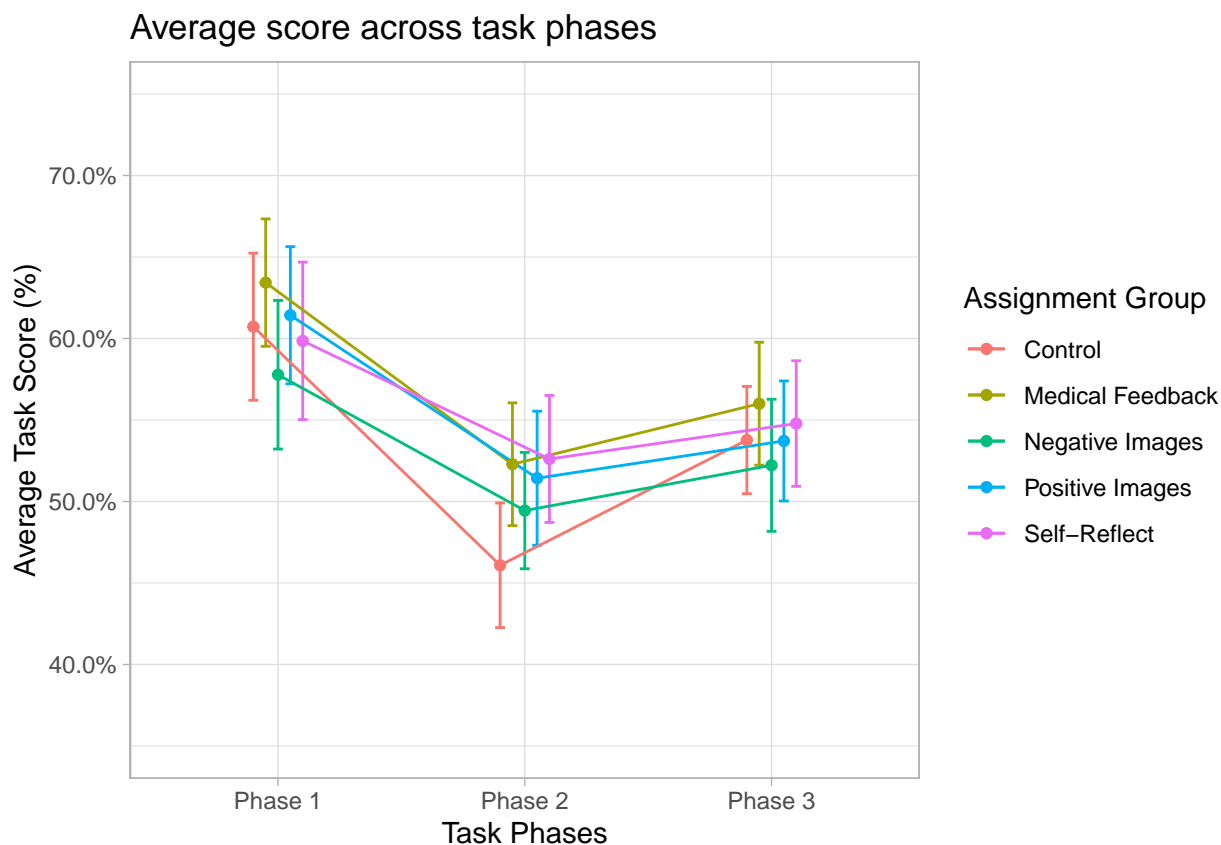
```

## Compare task scores in different phases



```
# Compare score across time for all groups
# https://sphweb.bumc.bu.edu/otlt/MPH-Modules/BS/BS704_Confidence_Intervals/BS704_Confidence_Intervals_
# TODO finish formatting
# TODO duplicate for treatment dummy as well
summary_task_score <- (melt(d_respondents,id.vars=c('Assignment_Group'),
                           measure.vars = c('TaskPhase1_Score','TaskPhase2_Score','TaskPhase3_Score'))
  ,.('avg_score'=mean(value),'sd_score'=sd(value),'obs'=.N),keyby=.(Assignment_Group,variable))[,
  ,se:=1.96*sd_score/sqrt(obs)]

summary_task_score %>%
  ggplot( aes(x=variable, y=avg_score, group=Assignment_Group, color=Assignment_Group)) +
  geom_errorbar(aes(ymin=avg_score-1.96*sd_score/sqrt(obs), ymax=avg_score+1.96*sd_score/sqrt(obs)),
    width=.2,
    position=position_dodge(0.25)) +
  geom_line(position=position_dodge(0.25)) +
  geom_point(position=position_dodge(0.25)) +
  scale_y_continuous(labels = scales::percent,limits = c(.35,.75)) +
  scale_x_discrete(breaks=c("TaskPhase1_Score", "TaskPhase2_Score","TaskPhase3_Score"),
    labels=c("Phase 1", "Phase 2", "Phase 3")) +
  xlab('Task Phases') +
  ylab('Average Task Score (%)') +
  labs(title='Average score across task phases', color = "Assignment Group")
```



```
# TODO add this to the appendix
kable(summary_task_score)
```

Assignment_Group	variable	avg_score	sd_score	obs	se
Control	TaskPhase1_Score	0.6072	0.1912	69	0.0451
Control	TaskPhase2_Score	0.4609	0.1620	69	0.0382
Control	TaskPhase3_Score	0.5377	0.1394	69	0.0329
Medical Feedback	TaskPhase1_Score	0.6343	0.1667	70	0.0391
Medical Feedback	TaskPhase2_Score	0.5229	0.1608	70	0.0377
Medical Feedback	TaskPhase3_Score	0.5600	0.1610	70	0.0377
Negative Images	TaskPhase1_Score	0.5778	0.1973	72	0.0456
Negative Images	TaskPhase2_Score	0.4944	0.1546	72	0.0357
Negative Images	TaskPhase3_Score	0.5222	0.1754	72	0.0405
Positive Images	TaskPhase1_Score	0.6143	0.1796	70	0.0421
Positive Images	TaskPhase2_Score	0.5143	0.1755	70	0.0411
Positive Images	TaskPhase3_Score	0.5371	0.1571	70	0.0368
Self-Reflect	TaskPhase1_Score	0.5986	0.2047	69	0.0483
Self-Reflect	TaskPhase2_Score	0.5261	0.1651	69	0.0390
Self-Reflect	TaskPhase3_Score	0.5478	0.1632	69	0.0385

## Gender

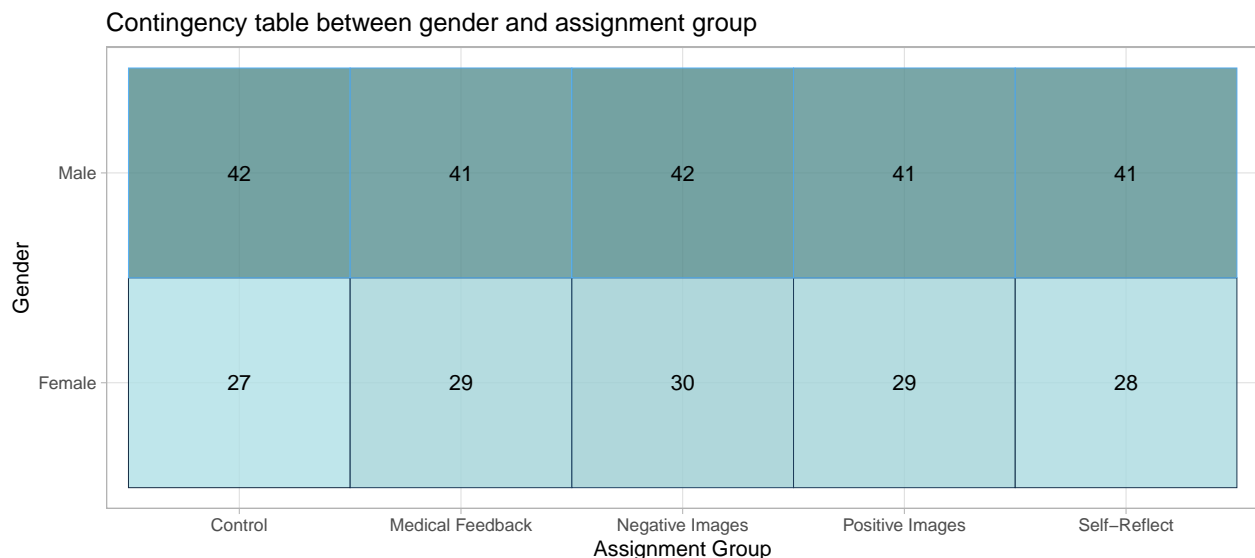
```
# TODO format figures and captions
#check balance between gender
```

```
gender_chiqq <- chisq.test(d_respondents[ , table(Assignment_Group, Gender)])
```

```
pander(gender_chiq,style='rmarkdown')
```

Quitting from lines 570-586 (EDA.Rmd) Error in pander(gender\_chiq, style = "rmarkdown") : object 'gender\_chiq' not found Calls: ... withCallingHandlers -> withVisible -> eval -> eval -> pander

```
create_heatmap(var1 = d_respondents$Assignment_Group,var2 = d_respondents$Gender) +
  xlab('Assignment Group') +
  ylab('Gender') +
  labs(title = 'Contingency table between gender and assignment group',
       caption = paste0('Assuming gender distributions are the same among assignment groups, a chi-squared test for independence with 4
                           degrees of freedom yields p=', round(gender_chi$parameter,4), '\ndegrees of freedom ', 'yields p=',
                           round(gender_chi$p.value,4),
                           ', suggesting that there is no relationship between gender and assignment groups at a
                           significance level of 0.05.'))
  theme(plot.caption = element_text(hjust = 0))
```



## Age Range

```
# TODO format figures and captions
#check balance between age-range

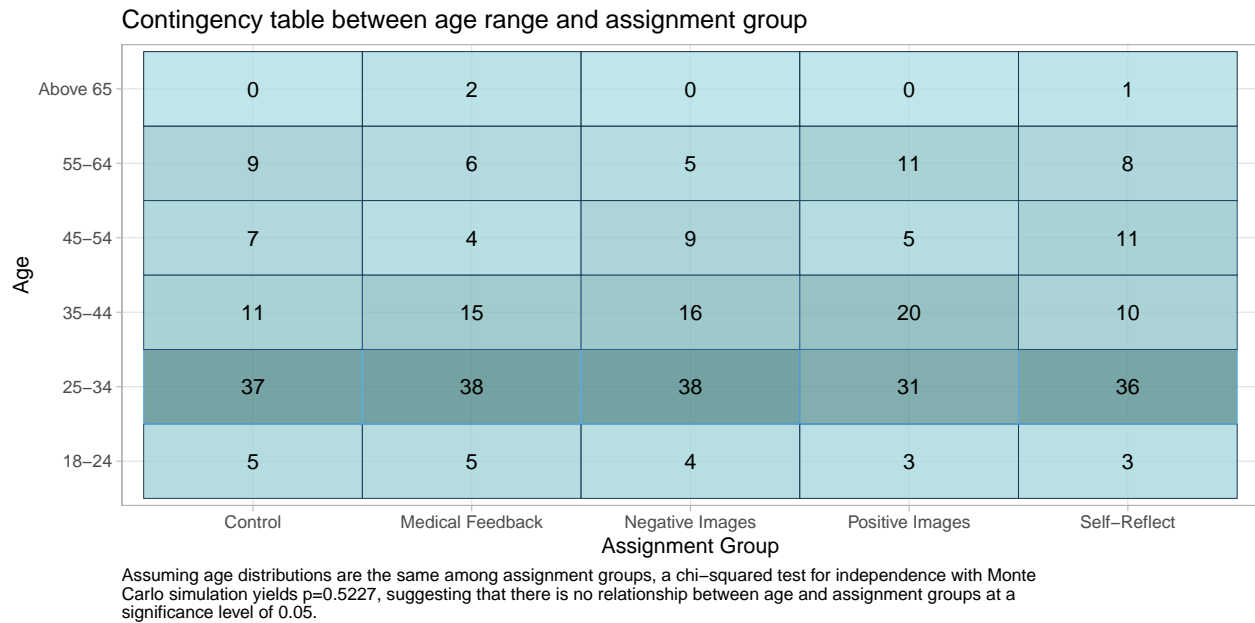
# expected frequency count for each cell of the contingency table should be at least 5. Since this is not the case, we use a simulation-based p-value.
# https://stats.stackexchange.com/questions/81483/warning-in-r-chi-squared-approximation-may-be-incorrect
age_chisq <- chisq.test(d_respondents[, table(Assignment_Group, Age_Range)],simulate.p.value = TRUE)
pander(age_chisq,style='rmarkdown')
```

Table 3: Pearson's Chi-squared test with simulated p-value (based on 2000 replicates): `d_respondents[, table(Assignment_Group, Age_Range)]`

Test statistic	df	P value
19.22	NA	0.5227



```
create_heatmap(var1 = d_respondents$Assignment_Group,var2 = d_respondents$Age_Range) +
  xlab('Assignment Group') +
  ylab('Age') +
  labs(title = 'Contingency table between age range and assignment group',
        caption = paste0('Assuming age distributions are the same among assignment groups, a chi-squared
                           round(age_chisq$p.value,4),
                           ', suggesting that there is no relationship between age and assignment groups at a
                           significance level of 0.05.'),
        theme(plot.caption = element_text(hjust = 0)))
```



## Education Level

```
# TODO format figures and captions
#check balance between education levels
edu_chisq <- chisq.test(d_respondents[, table(Assignment_Group, Education_Level)],simulate.p.value = T)
pander(edu_chisq,style='rmarkdown')
```

Table 4: Pearson's Chi-squared test with simulated p-value (based on 2000 replicates): `d_respondents[, table(Assignment_Group, Education_Level)]`

Test statistic	df	P value
28.7	NA	0.06947

```
create_heatmap(var1 = d_respondents$Assignment_Group,var2 = d_respondents$Education_Level) +
  xlab('Assignment Group') +
  ylab('Education Level') +
  labs(title = 'Contingency table between education and assignment group',
        caption = paste0('Assuming education distributions are the same among assignment groups, a chi-squared
                           round(edu_chisq$p.value,4),
                           ', suggesting that there is no relationship \nbetween education and assignment
                           groups at a significance level of 0.05.'),
        theme(plot.caption = element_text(hjust = 0)))
```

Contingency table between education and assignment group

Education Level	Trade school	1	1	3	2	1
	Some high school	0	0	1	0	0
	Master's degree and above	20	14	13	19	11
	High school	1	1	3	0	7
	Bachelor's degree	44	54	50	45	46
	Associate's degree	3	0	2	4	4
		Control	Medical Feedback	Negative Images	Positive Images	Self-Reflect
		Assignment Group				

Assuming education distributions are the same among assignment groups, a chi-squared test for independence with Monte Carlo simulation yields  $p=0.0695$ , suggesting that there is no relationship between education and assignment groups at a significance level of 0.05.

### Country: US, non-US

```
# TODO format figures and captions
# out.width = "80%"
# check balance between US and non-US respondents

us_chisq <- chisq.test(d_respondents[, table(Assignment_Group, US_Dummy)])
pander(us_chisq, style='rmarkdown')
```

Table 5: Pearson's Chi-squared test: `d_respondents[, table(Assignment_Group, US_Dummy)]`

Test statistic	df	P value
6.502	4	0.1647

```
create_heatmap(var1 = d_respondents$Assignment_Group, var2 = d_respondents$US_Dummy) +
  xlab('Assignment Group') +
  ylab('Country') +
  scale_y_discrete(breaks=c("0", "1"),
    labels=c("Non-US", "United States")) +
  labs(title = 'Contingency table between country and assignment group',
    caption = paste0('Assuming country distributions are the same among assignment groups, a chi-squared test with Monte Carlo simulation yields p=',
      round(us_chisq$parameter,4), ' degrees of freedom ', 'yields p=',
      round(us_chisq$p.value,4),
      ', suggesting that there is no relationship between country and assignment \n groups at a significance level of 0.05.'))
  theme(plot.caption = element_text(hjust = 0))
```

Contingency table between country and assignment group

Country	Assignment Group				
	Control	Medical Feedback	Negative Images	Positive Images	Self-Reflect
United States	45	37	45	50	48
Non-US	24	33	27	20	21

Assuming country distributions are the same among assignment groups, a chi-squared test for independence with 4 degrees of freedom yields  $p=0.1647$ , suggesting that there is no relationship between country and assignment groups at a significance level of 0.05.

```
# ATE of treatment on Total Score
```

```
d_respondents[ Treatment_Dummy == 1, mean(Total_Score)] - d_respondents[ Treatment_Dummy == 0, mean(Tot
```

```
## [1] 0.5143
```

```
sd(d_respondents$Total_Score)
```

```
## [1] 3.743
```

```
# ATE of treatment on TaskPhase2 Score
```

```
d_respondents[ Treatment_Dummy == 1, mean(TaskPhase2_Score)] - d_respondents[ Treatment_Dummy == 0, mean
```

```
## [1] 0.05337
```

```
sd(d_respondents$TaskPhase2_Score)
```

```
## [1] 0.1645
```

```
#trying 2SLS...but dont think it applies here
```

```
# d_respondents[, lm(Total_Score ~ Education_Level)]
```

```
# d_respondents[, ivreg(Total_Score ~ Education_Level | Assignment_Group)]
```

```
power.t.test( delta = .05, sd=.16, sig.level = 0.05, power=0.8)
```

```
##
```

```
## Two-sample t test power calculation
```

```
##
```

```
## n = 161.7
```

```
## delta = 0.05
```

```
## sd = 0.16
```

```
## sig.level = 0.05
```

```
## power = 0.8
```

```
## alternative = two.sided
```

```
##
```

```
## NOTE: n is number in *each* group
```

# Analysis

## Helper Functions

```
get_robust_se <- function(model){  
  # Get robust SE for use in stargazer  
  vcov <- vcovHC(model,type = "HC1")  
  return(sqrt(diag(vcov)))  
}
```

## Task Phase 2 Analysis

```
# does any treatment have an effect on task phase 2 score?  
mod_task2_a <- d_respondents[, lm(TaskPhase2_Score ~ Treatment_Dummy)]  
  
mod_task2_b <- d_respondents[, lm(TaskPhase2_Score ~ Treatment_Dummy +  
  TaskPhase1_Score +  
  as.factor(Gender) +  
  as.factor(Education_Level) +  
  as.factor(Age_Range))]  
  
stargazer(mod_task2_a,  
  mod_task2_b,  
  se = list(get_robust_se(mod_task2_a),get_robust_se(mod_task2_b)),  
  omit = c("Education_Level","Age_Range"),  
  add.lines = list(c('Education Fixed Effects', 'No','Yes'),  
    c('Age Fixed Effects','No','Yes')),  
  header=FALSE,  
  type='latex')  
  
#add an F test to compare  
pander(anova(mod_task2_a, mod_task2_b, test='F'),style='rmarkdown')
```

Table 7: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
348	9.287	NA	NA	NA	NA
336	8.338	12	0.9498	3.19	0.0002426

```
#does the specific treatment group have an effect on task phase 2 score?  
mod_task2_c <- d_respondents[, lm(TaskPhase2_Score ~ as.factor(Assignment_Group))]  
  
mod_task2_d <- d_respondents[, lm(TaskPhase2_Score ~ as.factor(Assignment_Group) +  
  TaskPhase1_Score +  
  as.factor(Gender) +  
  as.factor(Education_Level) +  
  as.factor(Age_Range))]  
  
# Do you think that there are features of the data that might systematically predict that people will r  
# TODO update this heterogeneity issue. I'm not quite sure this applies because they're both considered  
# mod5 <- d_respondents[, lm(TaskPhase2_Score ~ Treatment_Dummy + as.factor(assign_bin) +  
  Treatment_Dummy * as.factor(assign_bin))]
```

Table 6:

	<i>Dependent variable:</i>	
	TaskPhase2_Score	
	(1)	(2)
Treatment_Dummy	0.053** (0.022)	0.051** (0.022)
TaskPhase1_Score		0.240*** (0.047)
as.factor(Gender)Male		-0.010 (0.017)
Constant	0.461*** (0.019)	0.281*** (0.072)
Education Fixed Effects	No	Yes
Age Fixed Effects	No	Yes
Observations	350	350
R <sup>2</sup>	0.017	0.117
Adjusted R <sup>2</sup>	0.014	0.083
Residual Std. Error	0.163 (df = 348)	0.158 (df = 336)
F Statistic	5.911** (df = 1; 348)	3.433*** (df = 13; 336)

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

```
stargazer(mod_task2_c,
          mod_task2_d,
          se = list(get_robust_se(mod_task2_c), get_robust_se(mod_task2_d)),
          omit = c("Education_Level", "Age_Range"),
          add.lines = list(c('Education Fixed Effects', 'No', 'Yes'),
                           c('Age Fixed Effects', 'No', 'Yes')),
          header=FALSE,
          type='latex')
```

Table 8:

	<i>Dependent variable:</i>	
	TaskPhase2_Score	
	(1)	(2)
as.factor(Assignment_Group)Medical Feedback	0.062** (0.027)	0.055* (0.029)
as.factor(Assignment_Group)Negative Images	0.034 (0.027)	0.039 (0.027)
as.factor(Assignment_Group)Positive Images	0.053* (0.029)	0.050* (0.027)
as.factor(Assignment_Group)Self-Reflect	0.065** (0.028)	0.058** (0.029)
TaskPhase1_Score		0.238*** (0.048)
as.factor(Gender)Male		-0.010 (0.017)
Constant	0.461*** (0.019)	0.282*** (0.073)
Education Fixed Effects	No	Yes
Age Fixed Effects	No	Yes
Observations	350	350
R <sup>2</sup>	0.021	0.119
Adjusted R <sup>2</sup>	0.010	0.076
Residual Std. Error	0.164 (df = 345)	0.158 (df = 333)
F Statistic	1.874 (df = 4; 345)	2.805*** (df = 16; 333)

Note:

\*p<0.1; \*\*p<0.05; \*\*\*p<0.01

```
pander(anova(mod_task2_c, mod_task2_d, test='F'), style='rmarkdown')
```

Table 9: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
345	9.244	NA	NA	NA	NA

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
333	8.323	12	0.921	3.071	0.0003943

## Task Phase 3 Analysis

```
# test final task and any treatment
mod_task3_a <- d_respondents[, lm(TaskPhase3_Score ~ Treatment_Dummy)]
mod_task3_b <- d_respondents[, lm(TaskPhase3_Score ~ Treatment_Dummy +
                                TaskPhase1_Score +
                                as.factor(Gender) +
                                as.factor(Education_Level) +
                                as.factor(Age_Range))]

stargazer(mod_task3_a,
           mod_task3_b,
           se = list(get_robust_se(mod_task3_a), get_robust_se(mod_task3_b)),
           omit = c("Education_Level", "Age_Range"),
           add.lines = list(c('Education Fixed Effects', 'No', 'Yes'),
                           c('Age Fixed Effects', 'No', 'Yes')),
           header=FALSE,
           type='latex')

pander(anova(mod_task3_a, mod_task3_b, test='F'), style='rmarkdown')
```

Table 11: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
348	8.865	NA	NA	NA	NA
336	8.117	12	0.7479	2.58	0.002743

```
# test final task and specific treatment
mod_task3_c <- d_respondents[, lm(TaskPhase3_Score ~ as.factor(Assignment_Group))]
mod_task3_d <- d_respondents[, lm(TaskPhase3_Score ~ as.factor(Assignment_Group) +
                                TaskPhase1_Score +
                                as.factor(Gender) +
                                as.factor(Education_Level) +
                                as.factor(Age_Range))]

stargazer(mod_task3_c,
           mod_task3_d,
           se = list(get_robust_se(mod_task3_c), get_robust_se(mod_task3_d)),
           omit = c("Education_Level", "Age_Range"),
           add.lines = list(c('Education Fixed Effects', 'No', 'Yes'),
                           c('Age Fixed Effects', 'No', 'Yes')),
           header=FALSE,
           type='latex')

pander(anova(mod_task3_c, mod_task3_d, test='F'), style='rmarkdown')
```

Table 10:

	<i>Dependent variable:</i>	
	TaskPhase3_Score	
	(1)	(2)
Treatment_Dummy	0.004 (0.019)	0.002 (0.019)
TaskPhase1_Score		0.161*** (0.047)
as.factor(Gender)Male		-0.004 (0.017)
Constant	0.538*** (0.017)	0.515*** (0.064)
Education Fixed Effects	No	Yes
Age Fixed Effects	No	Yes
Observations	350	350
R <sup>2</sup>	0.0001	0.084
Adjusted R <sup>2</sup>	-0.003	0.049
Residual Std. Error	0.160 (df = 348)	0.155 (df = 336)
F Statistic	0.034 (df = 1; 348)	2.384*** (df = 13; 336)

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01



Table 12:

	<i>Dependent variable:</i>	
	TaskPhase3_Score	
	(1)	(2)
as.factor(Assignment_Group)Medical Feedback	0.022 (0.026)	0.011 (0.026)
as.factor(Assignment_Group)Negative Images	-0.015 (0.027)	-0.011 (0.026)
as.factor(Assignment_Group)Positive Images	-0.001 (0.025)	0.004 (0.025)
as.factor(Assignment_Group)Self-Reflect	0.010 (0.026)	0.005 (0.026)
TaskPhase1_Score		0.157*** (0.047)
as.factor(Gender)Male		-0.004 (0.017)
Constant	0.538*** (0.017)	0.518*** (0.064)
Education Fixed Effects	No	Yes
Age Fixed Effects	No	Yes
Observations	350	350
R <sup>2</sup>	0.006	0.087
Adjusted R <sup>2</sup>	-0.005	0.043
Residual Std. Error	0.160 (df = 345)	0.156 (df = 333)
F Statistic	0.545 (df = 4; 345)	1.971** (df = 16; 333)
<i>Note:</i>		*p<0.1; **p<0.05; ***p<0.01

Table 13: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
345	8.81	NA	NA	NA	NA
333	8.099	12	0.7113	2.437	0.004751

## Wearing Off Effects

```
# TODO add within subjects design: Phase2 against Phase1 or Phase2&3 together against Phase1
# factor(ID)

# TODO d_respondents[ , lm(mean(TaskPhase3_Score,TaskPhase2_Score) ~ Assignment_Group + TaskPhase1_Score)]
# TODO d_respondents[ , lm(TaskPhaseB ~ Assignment_Group + TaskPhaseA + as.factor(AmazonTurk_ID))] whe

mod_task3_e <- d_respondents[ , lm(TaskPhase3_Score ~ TaskPhase2_Score)]
mod_task3_f <- d_respondents[ , lm(TaskPhase3_Score ~ TaskPhase2_Score + Treatment_Dummy)]
mod_task3_g <- d_respondents[ , lm(TaskPhase3_Score ~ TaskPhase2_Score + as.factor(Assignment_Group))]
mod_task3_h <- d_respondents[ , lm(TaskPhase3_Score ~ TaskPhase2_Score +
                                   as.factor(Assignment_Group) +
                                   as.factor(Gender) +
                                   as.factor(Education_Level) +
                                   as.factor(Age_Range))]

stargazer(mod_task3_e,
           mod_task3_f,
           mod_task3_g,
           mod_task3_h,
           se = list(get_robust_se(mod_task3_e),
                     get_robust_se(mod_task3_f),
                     get_robust_se(mod_task3_h)),
                     get_robust_se(mod_task3_g),
           omit = c("Education_Level", "Age_Range"),
           add.lines = list(c('Education Fixed Effects', 'No', 'No', 'No', 'Yes'),
                             c('Age Fixed Effects', 'No', 'No', 'No', 'Yes')),
           header=FALSE,
           type='text')
```

Dependent variable:

TaskPhase3\_Score

(1) (2) (3) (4)

TaskPhase2\_Score 0.239\*\*\* 0.242\*\*\* 0.238\*\*\* 0.241\*\*\*  
(0.050) (0.051) (0.052) (0.051)

Treatment\_Dummy -0.009  
(0.019)

as.factor(Assignment\_Group)Medical Feedback 0.008 0.001  
(0.027) (0.027)

as.factor(Assignment\_Group)Negative Images -0.023 -0.023  
(0.026) (0.026)

as.factor(Assignment\_Group)Positive Images -0.013 -0.007  
(0.025) (0.026)

```
as.factor(Assignment_Group)Self-Reflect -0.005 -0.010
(0.025) (0.027)
```

```
as.factor(Gender)Male -0.003
(0.017)
```

```
Constant 0.420*** 0.426*** 0.428*** 0.520***
(0.026) (0.028) (0.062) (0.062)
```

---

Education Fixed Effects No No No Yes Age Fixed Effects No No No Yes Observations 350 350 350 350 R2  
0.061 0.061 0.065 0.113 Adjusted R2 0.058 0.056 0.052 0.070 Residual Std. Error 0.155 (df = 348) 0.155  
(df = 347) 0.155 (df = 344) 0.154 (df = 333) F Statistic 22.540\*\*\* (df = 1; 348) 11.330\*\*\* (df = 2; 347)  
4.815\*\*\* (df = 5; 344) 2.654\*\*\* (df = 16; 333)

---

=====

Note:  $p < 0.1$ ;  $p < 0.05$ ;  $p < 0.01$

=====

(Intercept) TaskPhase2\_Score as.factor(Assignment\_Group)Medical Feedback  
as.factor(Assignment\_Group)Negative Images as.factor(Assignment\_Group)Positive Images  
as.factor(Assignment\_Group)Self-Reflect

---

**0.028 0.051 0.026 0.026 0.025 0.024**

```
pander(anova(mod_task3_e, mod_task3_f, test='F'),style='markdown')
```

Table 15: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
348	8.326	NA	NA	NA	NA
347	8.322	1	0.004358	0.1817	0.6702

```
pander(anova(mod_task3_g, mod_task3_h, test='F'),style='markdown')
```

Table 16: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
344	8.286	NA	NA	NA	NA
333	7.863	11	0.4227	1.627	0.08955

```
##
mod_task3_i <- d_respondents[, lm(TaskPhase3_Score ~ TaskPhase1_Score + TaskPhase2_Score)]
mod_task3_j <- d_respondents[, lm(TaskPhase3_Score ~ TaskPhase1_Score + TaskPhase2_Score + Treatment_Dose)]
mod_task3_k <- d_respondents[, lm(TaskPhase3_Score ~ TaskPhase1_Score + TaskPhase2_Score + as.factor(Assignment_Group))]
mod_task3_l <- d_respondents[, lm(TaskPhase3_Score ~ TaskPhase1_Score + TaskPhase2_Score +
  as.factor(Assignment_Group) +
  as.factor(Gender) +
  as.factor(Education_Level) +
  as.factor(Age_Range))]

stargazer(mod_task3_i,
           mod_task3_j,
           mod_task3_k,
```

```

mod_task3_l,
se = list(get_robust_se(mod_task3_i),
          get_robust_se(mod_task3_j),
          get_robust_se(mod_task3_k),
          get_robust_se(mod_task3_l)),
header=FALSE,
type='text')

```

=====

Dependent variable:

TaskPhase3\_Score

(1) (2) (3) (4)

---

— TaskPhase1\_Score 0.113\*\* 0.113\*\* 0.109\*\* 0.108\*\*  
(0.046) (0.046) (0.046) (0.048)

TaskPhase2\_Score 0.202\*\*\* 0.204\*\*\* 0.202\*\*\* 0.208\*\*\*  
(0.053) (0.054) (0.053) (0.054)

Treatment\_Dummy -0.007  
(0.019)

as.factor(Assignment\_Group)Medical Feedback 0.007 -0.001  
(0.026) (0.026)

as.factor(Assignment\_Group)Negative Images -0.019 -0.019  
(0.026) (0.026)

as.factor(Assignment\_Group)Positive Images -0.012 -0.007  
(0.024) (0.025)

as.factor(Assignment\_Group)Self-Reflect -0.002 -0.007  
(0.024) (0.025)

as.factor(Gender)Male -0.002  
(0.016)

as.factor(Education\_Level)Bachelor's degree -0.043  
(0.046)

as.factor(Education\_Level)High school -0.058  
(0.054)

as.factor(Education\_Level)Master's degree and above -0.065  
(0.047)

as.factor(Education\_Level)Some high school 0.133\*\*\*  
(0.051)

as.factor(Education\_Level)Trade school -0.131\*\*  
(0.062)

as.factor(Age\_Range)25-34 -0.021  
(0.033)

as.factor(Age\_Range)35-44 -0.062\*  
(0.036)

as.factor(Age\_Range)45-54 -0.049  
(0.043)

```
as.factor(Age_Range)55-64 -0.056
(0.036)

as.factor(Age_Range)Above 65 0.201***
(0.050)

Constant 0.370*** 0.375*** 0.378*** 0.460***
(0.032) (0.034) (0.034) (0.067)
```

```
Observations 350 350 350 350
R2 0.077 0.078 0.081 0.127
Adjusted R2 0.072 0.070 0.064 0.082
Residual Std. Error 0.154 (df = 347) 0.154 (df = 346) 0.154 (df = 343) 0.153 (df = 332)
F Statistic 14.520*** (df = 2; 347) 9.693*** (df = 3; 346) 5.010*** (df = 6; 343) 2.844*** (df = 17; 332)
```

=====

Note:  $p < 0.1$ ;  $p < 0.05$ ;  $p < 0.01$

```
pander(anova(mod_task3_i, mod_task3_j, test = 'F'), style='rmarkdown')
```

Table 17: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
347	8.181	NA	NA	NA	NA
346	8.178	1	0.002531	0.1071	0.7437

```
pander(anova(mod_task3_k, mod_task3_l, test = 'F'), style='rmarkdown')
```

Table 18: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
343	8.151	NA	NA	NA	NA
332	7.739	11	0.4128	1.61	0.09435

```
# lm(TaskPhase3_Score ~ TaskPhase2_Score) vs lm(TaskPhase3_Score ~ TaskPhase1_Score + TaskPhase2_Score)
pander(anova(mod_task3_e, mod_task3_i, test = 'F'), style='rmarkdown')
```

Table 19: Analysis of Variance Table

Res.Df	RSS	Df	Sum of Sq	F	Pr(>F)
348	8.326	NA	NA	NA	NA
347	8.181	1	0.1455	6.172	0.01345

## Playground

```
# compare self-reflect against medical feedback groups?
#make dummies
d_respondents[, Self_Reflect_Dummy := ifelse(Assignment_Group == "Self-Reflect", 1, 0)]
d_respondents[, Med_Feedback_Dummy := ifelse(Assignment_Group == "Medical Feedback", 1, 0)]

mod_test_dummies1 <- d_respondents[, lm(TaskPhase2_Score ~ Treatment_Dummy + Self_Reflect_Dummy)]
```

```

mod_test_dummies2 <- d_respondents[ , lm(TaskPhase2_Score ~ Treatment_Dummy + Med_Feedback_Dummy)]

stargazer(mod_test_dummies1,
  mod_test_dummies2,
  se = list(get_robust_se(mod_test_dummies1),
    get_robust_se(mod_test_dummies2)),
  header=FALSE,
  type = 'latex')

```

```

##
## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lcc}
## \hline
## \hline \hline
## & \multicolumn{2}{c}{\textit{Dependent variable:}} \hline
## \cline{2-3}
## \hline & \multicolumn{2}{c}{TaskPhase2\_Score} \hline
## \hline & (1) & (2) \hline
## \hline
## Treatment\_Dummy & 0.050$^{**}$ & 0.051$^{**}$ \hline
## & (0.022) & (0.023) \hline
## & & \hline
## Self\_Reflect\_Dummy & 0.016 & \hline
## & (0.023) & \hline
## & & \hline
## Med\_Feedback\_Dummy & & 0.011 \hline
## & & (0.022) \hline
## & & \hline
## Constant & 0.461$^{***}$ & 0.461$^{***}$ \hline
## & (0.019) & (0.019) \hline
## & & \hline
## \hline \hline
## Observations & 350 & 350 \hline
## R$^2$ & 0.018 & 0.017 \hline
## Adjusted R$^2$ & 0.012 & 0.012 \hline
## Residual Std. Error (df = 347) & 0.163 & 0.164 \hline
## F Statistic (df = 2; 347) & 3.192$^{**}$ & 3.079$^{**}$ \hline
## \hline
## \hline \hline
## \textit{Note:} & \multicolumn{2}{r}{\textit{$^{*}$p} < 0.1; \textit{$^{**}$p} < 0.05; \textit{$^{***}$p} < 0.01} \hline
## \end{tabular}
## \end{table}

```

```

# compare positive images against negative images feedback groups?
#make dummies
d_respondents[ , Positive_Images_Dummy := ifelse(Assignment_Group == "Positive Images", 1, 0)]
d_respondents[ , Negative_Images_Dummy := ifelse(Assignment_Group == "Negative Images", 1, 0)]

mod_test_dummies3 <- d_respondents[ , lm(TaskPhase2_Score ~ Treatment_Dummy + Positive_Images_Dummy)]
mod_test_dummies4 <- d_respondents[ , lm(TaskPhase2_Score ~ Treatment_Dummy + Negative_Images_Dummy)]

stargazer(mod_test_dummies3,

```

```

mod_test_dummies4,
se = list(get_robust_se(mod_test_dummies3),
          get_robust_se(mod_test_dummies4)),
type = 'text')

##
## =====
##                               Dependent variable:
##                               -----
##                               TaskPhase2_Score
##                               (1)           (2)
## -----
## Treatment_Dummy              0.053**      0.060***
##                               (0.022)      (0.023)
##
## Positive_Images_Dummy        0.0001
##                               (0.024)
##
## Negative_Images_Dummy                -0.027
##                               (0.022)
##
## Constant                     0.461***      0.461***
##                               (0.019)      (0.019)
## -----
## Observations                 350           350
## R2                          0.017           0.021
## Adjusted R2                 0.011           0.015
## Residual Std. Error (df = 347) 0.164           0.163
## F Statistic (df = 2; 347)      2.947*        3.670**
## =====
## Note:                        *p<0.1; **p<0.05; ***p<0.01

```

## Playground 2

```

### linear model playground
d_test <- d_respondents[,c("Assignment_Group", "TaskPhase1_Score", "TaskPhase2_Score", "TaskPhase3_Score",

#does treatment have an effect on total score?
mod_test1 <- d_test[, lm(TaskPhase2_Score ~ TaskPhase1_Score + Treatment_Dummy)]

mod_test2 <- d_test[, lm(TaskPhase2_Score ~ TaskPhase1_Score + Treatment_Dummy + (TaskPhase1_Score * Tr

#does treatment and pretreatment score have an effect on total score?

###
# seems that if i ad in TaskPhase1 to the linear model, the RSEs disappear...
mod_test3 <- d_test[, lm(TaskPhase2_Score ~ Treatment_Dummy +
                        TaskPhase1_Score +
                        as.factor(Education_Level) +
                        as.factor(Gender) +

```

```

                                as.factor(Age_Range)
                                )]

coeftest(mod_test3, vcov = vcovHC(mod_test3,"HC1"))

```

```

##
## t test of coefficients:
##
##                                     Estimate Std. Error t value
## (Intercept)                        0.28108    0.07213    3.90
## Treatment_Dummy                    0.05071    0.02217    2.29
## TaskPhase1_Score                   0.24027    0.04682    5.13
## as.factor(Education_Level)Bachelor's degree -0.00683    0.04856   -0.14
## as.factor(Education_Level)High school    0.04068    0.05619    0.72
## as.factor(Education_Level)Master's degree and above -0.01698    0.05128   -0.33
## as.factor(Education_Level)Some high school -0.12065    0.05108   -2.36
## as.factor(Education_Level)Trade school    0.02867    0.06926    0.41
## as.factor(Gender)Male                 -0.00995    0.01735   -0.57
## as.factor(Age_Range)25-34              0.04469    0.03768    1.19
## as.factor(Age_Range)35-44              0.04198    0.03952    1.06
## as.factor(Age_Range)45-54              0.06975    0.04178    1.67
## as.factor(Age_Range)55-64              0.08035    0.04252    1.89
## as.factor(Age_Range)Above 65           0.12575    0.05172    2.43
##                                     Pr(>|t|)
## (Intercept)                        0.00012 ***
## Treatment_Dummy                    0.02281 *
## TaskPhase1_Score                   4.9e-07 ***
## as.factor(Education_Level)Bachelor's degree 0.88827
## as.factor(Education_Level)High school    0.46957
## as.factor(Education_Level)Master's degree and above 0.74080
## as.factor(Education_Level)Some high school 0.01874 *
## as.factor(Education_Level)Trade school    0.67922
## as.factor(Gender)Male                 0.56658
## as.factor(Age_Range)25-34              0.23642
## as.factor(Age_Range)35-44              0.28890
## as.factor(Age_Range)45-54              0.09593 .
## as.factor(Age_Range)55-64              0.05968 .
## as.factor(Age_Range)Above 65           0.01556 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```

summary(d_respondents$TaskPhase1_Score)

```

```

##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      0.200   0.500   0.600   0.606   0.700   1.000

```

```

stargazer(mod_test1,
           mod_test2,
           mod_test3,
           se = list(get_robust_se(mod_test1),get_robust_se(mod_test2), get_robust_se(mod_test3)),
           type='latex')

```

```

##
## % Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
## % Date and time: Mon, Dec 07, 2020 - 18:07:23

```



```

## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lccc}
## \ll[-1.8ex]\hline
## \hline \ll[-1.8ex]
## & \multicolumn{3}{c}{\textit{Dependent variable:}} \\\
## \cline{2-4}
## \ll[-1.8ex] & \multicolumn{3}{c}{TaskPhase2\_Score} \\\
## \ll[-1.8ex] & (1) & (2) & (3)\\
## \hline \ll[-1.8ex]
## TaskPhase1\_Score & 0.249$^{***}$ & 0.153 & 0.240$^{***}$ \\\
## & (0.044) & (0.095) & (0.047) \\\
## & & & \\\
## as.factor(Education\_Level)Bachelor's degree & & & $-$0.007 \\\
## & & & (0.049) \\\
## & & & \\\
## as.factor(Education\_Level)High school & & & 0.041 \\\
## & & & (0.056) \\\
## & & & \\\
## as.factor(Education\_Level)Master's degree and above & & & $-$0.017 \\\
## & & & (0.051) \\\
## & & & \\\
## as.factor(Education\_Level)Some high school & & & $-$0.121$^{**}$ \\\
## & & & (0.051) \\\
## & & & \\\
## as.factor(Education\_Level)Trade school & & & 0.029 \\\
## & & & (0.069) \\\
## & & & \\\
## as.factor(Gender)Male & & & $-$0.010 \\\
## & & & (0.017) \\\
## & & & \\\
## as.factor(Age\_Range)25-34 & & & 0.045 \\\
## & & & (0.038) \\\
## & & & \\\
## as.factor(Age\_Range)35-44 & & & 0.042 \\\
## & & & (0.040) \\\
## & & & \\\
## as.factor(Age\_Range)45-54 & & & 0.070$^{*}$ \\\
## & & & (0.042) \\\
## & & & \\\
## as.factor(Age\_Range)55-64 & & & 0.080$^{*}$ \\\
## & & & (0.043) \\\
## & & & \\\
## as.factor(Age\_Range)Above 65 & & & 0.126$^{**}$ \\\
## & & & (0.052) \\\
## & & & \\\
## Treatment\_Dummy & 0.054$^{**}$ & $-$0.019 & 0.051$^{**}$ \\\
## & (0.021) & (0.065) & (0.022) \\\
## & & & \\\
## TaskPhase1\_Score:Treatment\_Dummy & & 0.120 & \\\
## & & (0.107) & \\\
## & & & \\\
## Constant & 0.310$^{***}$ & 0.368$^{***}$ & 0.281$^{***}$ \\\

```

```
##      & (0.032) & (0.057) & (0.072) \\
##      & & & \\
## \hline \\[-1.8ex]
## Observations & 350 & 350 & 350 \\
## R2 & 0.098 & 0.101 & 0.117 \\
## Adjusted R2 & 0.092 & 0.093 & 0.083 \\
## Residual Std. Error & 0.157 (df = 347) & 0.157 (df = 346) & 0.158 (df = 336) \\
## F Statistic & 18.780*** (df = 2; 347) & 12.920*** (df = 3; 346) & 3.433*** (df = 13; 336) \\
## \hline
## \hline \\[-1.8ex]
## \textit{Note:} & \multicolumn{3}{r}{*p < 0.1; **p < 0.05; ***p < 0.01} \\
## \end{tabular}
## \end{table}
```

```
mod_test4 <- d_test[ , lm(TaskPhase3_Score ~ TaskPhase2_Score)]
coeftest(mod_test4)
```

```
##
## t test of coefficients:
##
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)      0.4205     0.0267   15.77 <2e-16 ***
## TaskPhase2_Score  0.2389     0.0503    4.75  3e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
# use Robust SE
```

```
mod_test2 <- d_respondents[, lm(TaskPhase2_Score ~ Treatment_Dummy + as.factor(Education_Level) + (Treatment_Dummy:as.factor(Education_Level)))]
mod_test2$vcovHC_ <- vcovHC(mod_test2)
coeftest(mod_test2, vcov = mod_test2$vcovHC_)
```

```
##
## t test of coefficients:
##
##              Estimate
## (Intercept)      0.53333
## Treatment_Dummy    0.00667
## as.factor(Education_Level)Bachelor's degree -0.07424
## as.factor(Education_Level)High school -0.03333
## as.factor(Education_Level)Master's degree and above -0.07333
## as.factor(Education_Level)Some high school -0.14000
## as.factor(Education_Level)Trade school -0.23333
## Treatment_Dummy:as.factor(Education_Level)Bachelor's degree 0.04142
## Treatment_Dummy:as.factor(Education_Level)High school 0.07515
## Treatment_Dummy:as.factor(Education_Level)Master's degree and above 0.04386
## Treatment_Dummy:as.factor(Education_Level)Trade school 0.30762
##              Std. Error
## (Intercept)      NA
## Treatment_Dummy    NA
## as.factor(Education_Level)Bachelor's degree    NA
## as.factor(Education_Level)High school    NA
## as.factor(Education_Level)Master's degree and above    NA
## as.factor(Education_Level)Some high school    NA
## as.factor(Education_Level)Trade school    NA
## Treatment_Dummy:as.factor(Education_Level)Bachelor's degree    NA
## Treatment_Dummy:as.factor(Education_Level)High school    NA
```

```
## Treatment_Dummy:as.factor(Education_Level)Master's degree and above      NA
## Treatment_Dummy:as.factor(Education_Level)Trade school                  NA
##                                t value
## (Intercept)                    NA
## Treatment_Dummy                 NA
## as.factor(Education_Level)Bachelor's degree                           NA
## as.factor(Education_Level)High school                                NA
## as.factor(Education_Level)Master's degree and above                   NA
## as.factor(Education_Level)Some high school                           NA
## as.factor(Education_Level)Trade school                                NA
## Treatment_Dummy:as.factor(Education_Level)Bachelor's degree           NA
## Treatment_Dummy:as.factor(Education_Level)High school                 NA
## Treatment_Dummy:as.factor(Education_Level)Master's degree and above    NA
## Treatment_Dummy:as.factor(Education_Level)Trade school                 NA
##                                Pr(>|t|)
## (Intercept)                    NA
## Treatment_Dummy                 NA
## as.factor(Education_Level)Bachelor's degree                           NA
## as.factor(Education_Level)High school                                NA
## as.factor(Education_Level)Master's degree and above                   NA
## as.factor(Education_Level)Some high school                           NA
## as.factor(Education_Level)Trade school                                NA
## Treatment_Dummy:as.factor(Education_Level)Bachelor's degree           NA
## Treatment_Dummy:as.factor(Education_Level)High school                 NA
## Treatment_Dummy:as.factor(Education_Level)Master's degree and above    NA
## Treatment_Dummy:as.factor(Education_Level)Trade school                 NA
```

## Noncompliance

EDA for noncompliance? time spent on a page how many words written

```
# renaming Control Clicks Phase 1 - submit after 70, advance after 180 seconds
setnames(d_respondents,
  old = c('Q70_First Click', 'Q70_Last Click',
           'Q70_Page Submit', 'Q70_Click Count'),
  new = c('Control_Phase1_First_ClickTime', 'Control_Phase1_Last_ClickTime',
           'Control_Phase1_SubmitTime', 'Control_Phase1_NumClicks'))

# renaming Control Clicks Phase 2 - submit after 70, advance after 180 seconds
setnames(d_respondents,
  old = c('Q90_First Click', 'Q90_Last Click',
           'Q90_Page Submit', 'Q90_Click Count'),
  new = c('Control_Phase2_First_ClickTime', 'Control_Phase2_Last_ClickTime',
           'Control_Phase2_SubmitTime', 'Control_Phase2_NumClicks'))

# renaming Self Reflect Clicks Phase 1 - submit after 90, advance after 240 seconds
setnames(d_respondents,
  old = c('Q61_First Click', 'Q61_Last Click',
           'Q61_Page Submit', 'Q61_Click Count'),
  new = c('Self_Reflect_Phase1_First_ClickTime', 'Self_Reflect_Phase1_Last_ClickTime',
           'Self_Reflect_Phase1_SubmitTime', 'Self_Reflect_Phase1_NumClicks'))

# renaming Self Reflect Clicks Phase 2 - submit after 90, advance after 240 seconds
setnames(d_respondents,
```

```

old = c('Q62_First Click', 'Q62_Last Click',
        'Q62_Page Submit', 'Q62_Click Count'),
new = c('Self_Reflect_Phase2_First_ClickTime', 'Self_Reflect_Phase2_Last_ClickTime',
        'Self_Reflect_Phase2_SubmitTime', 'Self_Reflect_Phase2_NumClicks'))

# renaming Medical Feedback Clicks Phase 1 - submit after 90, advance after 240 seconds
setnames(d_respondents,
old = c('Q63_First Click', 'Q63_Last Click',
        'Q63_Page Submit', 'Q63_Click Count'),
new = c('Medical_Feedback_Phase1_First_ClickTime',
        'Medical_Feedback_Phase1_Last_ClickTime',
        'Medical_Feedback_Phase1_SubmitTime',
        'Medical_Feedback_Phase1_NumClicks'))

# renaming Medical Feedback Clicks Phase 2 - submit after 90, advance after 240 seconds
setnames(d_respondents,
old = c('Q64_First Click', 'Q64_Last Click',
        'Q64_Page Submit', 'Q64_Click Count'),
new = c('Medical_Feedback_Phase2_First_ClickTime',
        'Medical_Feedback_Phase2_Last_ClickTime',
        'Medical_Feedback_Phase2_SubmitTime',
        'Medical_Feedback_Phase2_NumClicks'))

# renaming Positive Images Clicks Phase 1 - submit after 45, advance after 120 seconds
setnames(d_respondents,
old = c('Q65_First Click', 'Q65_Last Click',
        'Q65_Page Submit', 'Q65_Click Count'),
new = c('Positive_Images_Phase1_First_ClickTime',
        'Positive_Images_Phase1_Last_ClickTime',
        'Positive_Images_Phase1_SubmitTime',
        'Positive_Images_Phase1_NumClicks'))

# renaming Positive Images Clicks Phase 2 - submit after 45, advance after 120 seconds
setnames(d_respondents,
old = c('Q66_First Click', 'Q66_Last Click',
        'Q66_Page Submit', 'Q66_Click Count'),
new = c('Positive_Images_Phase2_First_ClickTime',
        'Positive_Images_Phase2_Last_ClickTime',
        'Positive_Images_Phase2_SubmitTime',
        'Positive_Images_Phase2_NumClicks'))

# renaming Negative Images Clicks Phase 1 - submit after 45, advance after 120 seconds
setnames(d_respondents,
old = c('Q67_First Click', 'Q67_Last Click',
        'Q67_Page Submit', 'Q67_Click Count'),
new = c('Negative_Images_Phase1_First_ClickTime',
        'Negative_Images_Phase1_Last_ClickTime',
        'Negative_Images_Phase1_SubmitTime',
        'Negative_Images_Phase1_NumClicks'))

# renaming Negative Images Clicks Phase 2 - submit after 45, advance after 120 seconds
setnames(d_respondents,
old = c('Q68_First Click', 'Q68_Last Click',

```

```

        'Q68_Page Submit', 'Q68_Click Count'),
new = c('Negative_Images_Phase2_First_ClickTime',
        'Negative_Images_Phase2_Last_ClickTime',
        'Negative_Images_Phase2_SubmitTime',
        'Negative_Images_Phase2_NumClicks'))

##### set up datatable for Treatment Phase 1 Times

a <- d_respondents[ Assignment_Group == "Medical Feedback", Medical_Feedback_Phase1_SubmitTime]
b <- d_respondents[ Assignment_Group == "Control", (Control_Phase1_SubmitTime)]
c <- d_respondents[ Assignment_Group == "Positive Images", (Positive_Images_Phase1_SubmitTime)]
d <- d_respondents[ Assignment_Group == "Negative Images", (Negative_Images_Phase1_SubmitTime)]
e <- d_respondents[ Assignment_Group == "Self-Reflect", (Self_Reflect_Phase1_SubmitTime)]

(coalesce(c(a,b,c,d,e)))

## [1] 107.95 141.51 228.40 226.70 126.62 157.59 141.95 103.60 96.09 93.77
## [11] 94.60 129.87 136.23 147.05 241.36 240.16 203.96 240.15 141.45 212.13
## [21] 101.12 99.95 138.02 164.38 240.01 240.06 181.14 240.02 278.31 241.96
## [31] 241.66 240.12 221.91 168.69 189.46 99.44 135.38 139.62 240.04 241.38
## [41] 240.01 100.79 241.46 108.15 106.83 92.58 240.04 94.16 240.03 173.06
## [51] 295.90 240.10 109.99 184.11 97.56 95.40 181.97 92.52 155.36 240.07
## [61] 153.09 91.53 240.08 134.43 108.04 92.08 107.50 93.05 104.39 177.82
## [71] 77.39 112.55 91.00 76.82 109.72 115.60 90.96 91.94 146.18 180.02
## [81] 90.61 181.20 124.82 123.99 108.23 130.39 259.14 180.02 180.01 129.07
## [91] 180.14 167.03 164.08 134.26 81.69 168.80 180.02 92.86 363.50 159.23
## [101] 133.16 278.52 181.90 360.11 76.96 284.23 180.01 176.70 360.32 180.10
## [111] 858.99 132.75 364.31 84.97 364.60 180.03 180.04 86.14 180.14 106.15
## [121] 138.38 99.51 146.66 96.43 123.18 80.80 325.81 180.11 104.32 180.15
## [131] 136.71 127.91 180.15 151.81 180.11 103.89 285.28 121.58 90.96 47.68
## [141] 46.74 57.64 67.05 52.48 69.52 73.39 60.81 64.69 47.05 56.84
## [151] 66.62 57.08 103.76 117.89 56.23 58.22 121.56 49.11 83.92 51.10
## [161] 58.73 59.11 70.01 82.75 89.61 50.74 121.20 71.63 73.68 120.01
## [171] 100.51 120.01 120.02 120.01 120.11 121.93 47.44 48.20 120.01 111.43
## [181] 120.06 120.01 103.33 72.26 120.02 58.19 115.54 120.16 86.35 49.65
## [191] 120.06 120.16 57.20 49.09 120.03 121.34 121.73 47.74 111.00 77.57
## [201] 61.27 66.84 54.06 47.69 63.70 49.96 68.21 99.43 49.00 58.20
## [211] 50.06 46.69 66.32 60.37 49.51 55.57 79.04 62.68 121.60 63.95
## [221] 121.81 49.04 49.73 48.98 120.17 120.11 120.11 75.53 120.06 85.36
## [231] 56.12 46.86 121.14 104.27 120.01 120.01 48.08 120.02 120.11 120.02
## [241] 49.57 60.12 51.73 69.21 53.58 120.01 94.48 120.09 49.27 120.01
## [251] 121.93 120.02 120.07 47.03 50.92 120.03 120.03 90.71 71.84 48.20
## [261] 120.07 54.50 55.77 120.12 120.02 105.54 120.02 48.73 100.54 65.60
## [271] 182.52 120.11 70.81 68.62 120.02 60.65 120.08 120.02 81.93 120.02
## [281] 54.67 111.58 91.65 95.82 91.46 94.77 122.96 123.31 152.53 165.52
## [291] 94.17 132.81 135.27 275.03 118.52 103.34 99.45 141.42 130.00 106.50
## [301] 241.83 241.64 240.02 240.02 146.64 240.02 138.92 411.72 480.02 113.80
## [311] 240.01 96.26 600.86 154.90 199.02 170.26 113.17 101.45 109.95 240.15
## [321] 240.02 117.71 91.82 148.38 240.02 240.18 104.10 241.97 240.09 240.02
## [331] 96.83 96.10 174.05 241.82 136.51 94.42 120.60 118.08 240.04 93.62
## [341] 101.46 128.13 185.42 209.30 92.66 128.99 240.01 93.50 240.13 114.13

d_noncompliance_1 <- data.table(id=1:350)
d_noncompliance_1[, Assignment_Group := (c(rep("Medical Feedback", 70), rep("Control", 69), rep("Posit

```

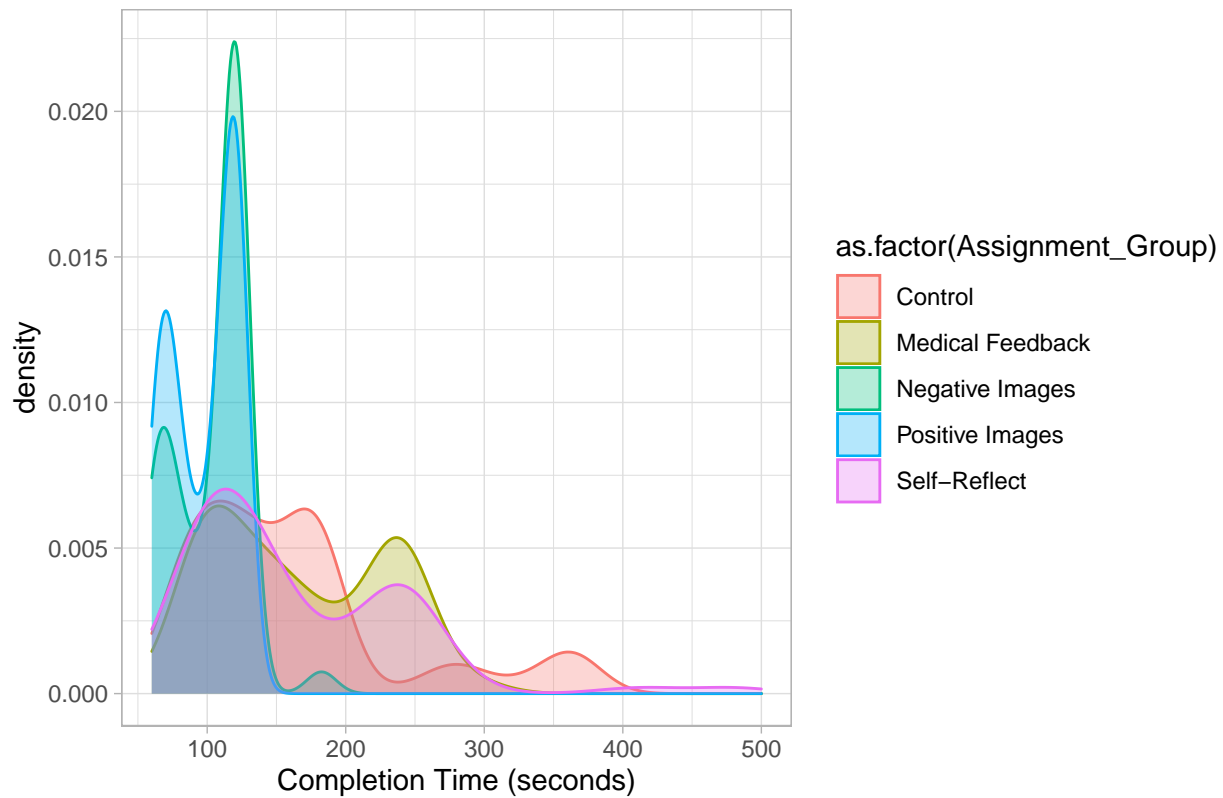
```
d_noncompliance_1[, Treatment_Phase1_SubmitTime := (coalesce(c(a,b,c,d,e)))]
```

```
##### plot density distributions of timing for Treatment Phase 1
```

```
ggplot(d_noncompliance_1, aes(x=Treatment_Phase1_SubmitTime, colour=as.factor(Assignment_Group), fill =
```

```
## Warning: Removed 49 rows containing non-finite values (stat_density).
```

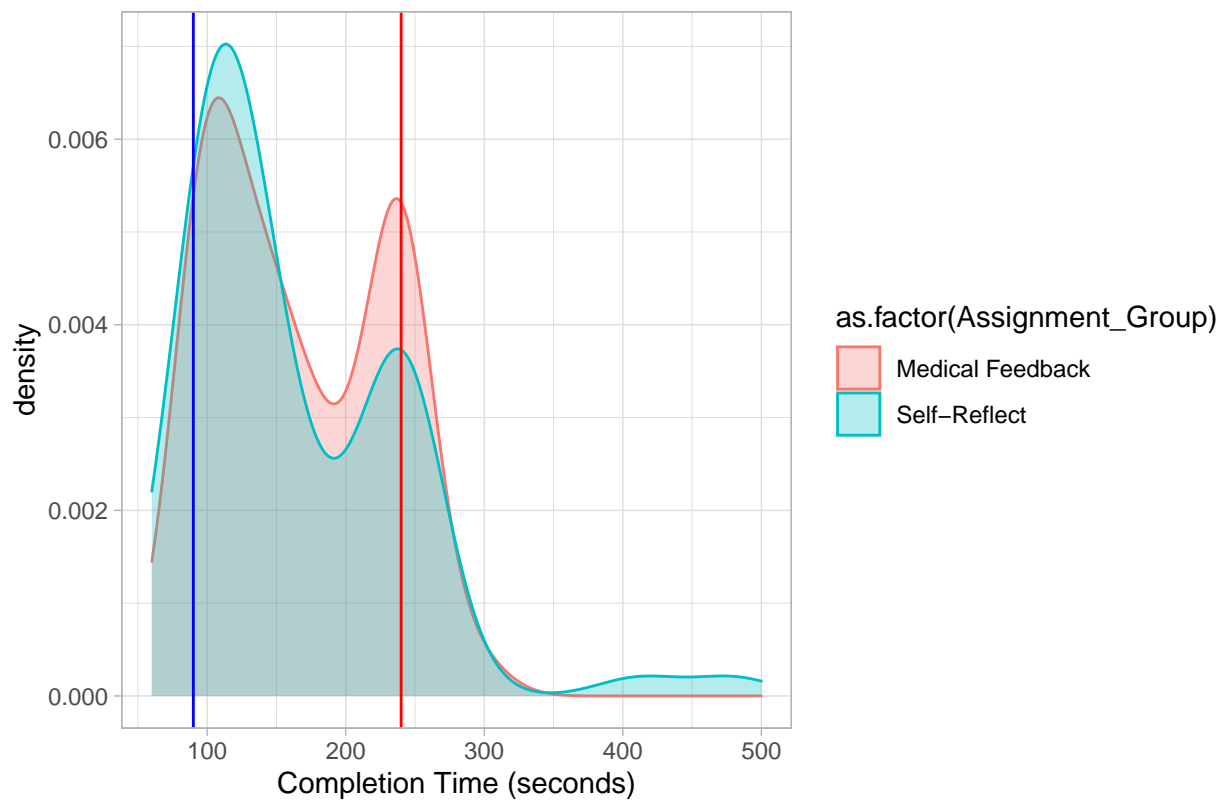
### Treatment Phase 1 Duration Distribution



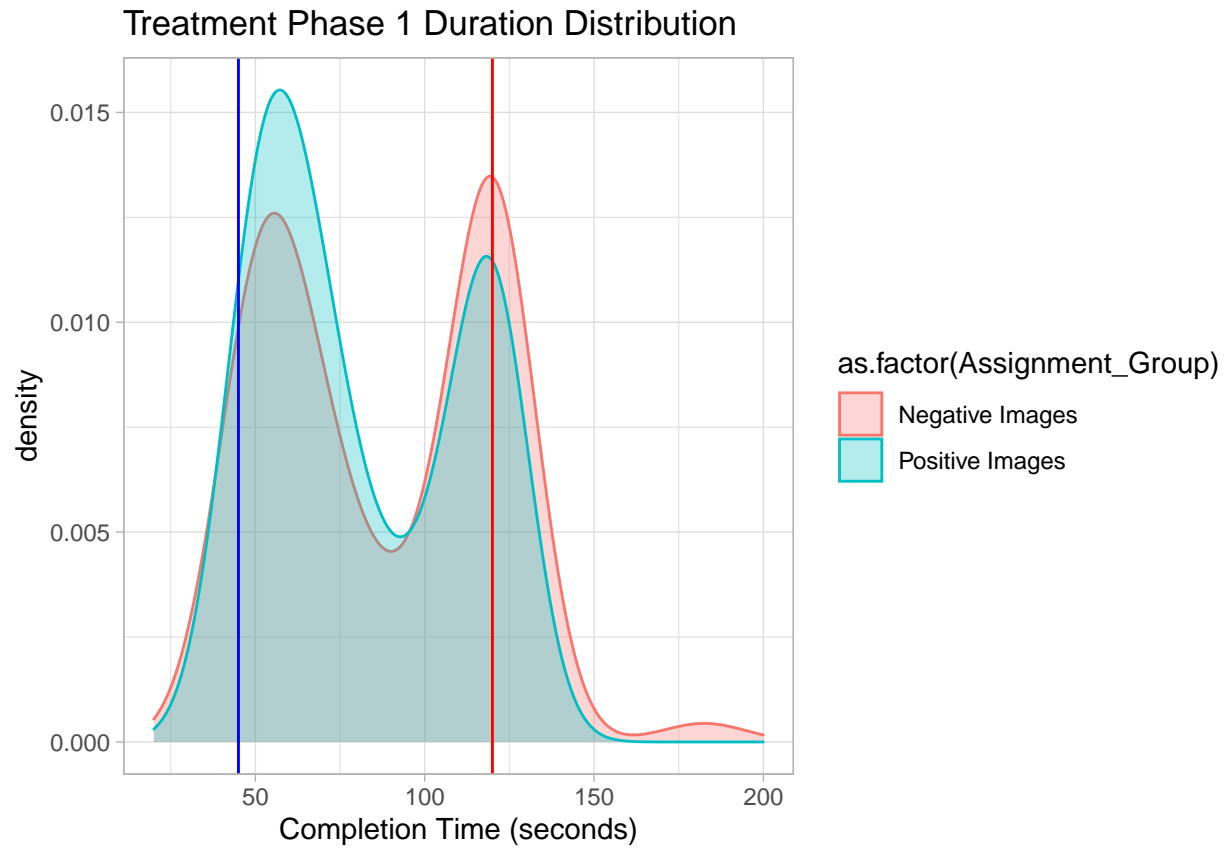
```
ggplot(d_noncompliance_1[Assignment_Group %in% c("Medical Feedback", "Self-Reflect")], aes(x=Treatment_
```

```
## Warning: Removed 1 rows containing non-finite values (stat_density).
```

Treatment Phase 1 Duration Distribution



```
ggplot(d_noncompliance_1[Assignment_Group %in% c("Positive Images", "Negative Images")], aes(x=Treatment
```



```
ggplot(d_noncompliance_1[Assignment_Group %in% c("Control")], aes(x=Treatment_Phase1_SubmitTime, colour=
## Warning: Removed 7 rows containing non-finite values (stat_density).
```





##### set up datatable for Treatment Phase 2 Times

```
a <- d_respondents[ Assignment_Group == "Medical Feedback", Medical_Feedback_Phase2_SubmitTime]
b <- d_respondents[ Assignment_Group == "Control", (Control_Phase2_SubmitTime)]
c <- d_respondents[ Assignment_Group == "Positive Images", (Positive_Images_Phase2_SubmitTime)]
d <- d_respondents[ Assignment_Group == "Negative Images", (Negative_Images_Phase2_SubmitTime)]
e <- d_respondents[ Assignment_Group == "Self-Reflect", (Self_Reflect_Phase2_SubmitTime)]

(coalesce(c(a,b,c,d,e)))
```

```
## [1] 102.40 121.35 98.05 92.81 102.98 133.41 93.10 103.79 91.93 172.00
## [11] 147.04 99.10 163.33 103.08 202.80 240.01 193.16 103.82 106.92 137.90
## [21] 91.68 99.27 106.51 111.10 240.01 139.19 92.33 116.64 98.86 162.75
## [31] 241.63 240.18 240.36 98.76 92.97 125.69 92.80 114.69 240.02 240.15
## [41] 240.01 167.49 240.08 94.56 92.45 93.21 241.70 129.69 127.23 92.66
## [51] 122.17 202.58 146.63 94.47 240.08 99.18 127.99 92.10 240.01 148.25
## [61] 112.80 128.77 204.66 127.45 203.76 96.42 91.16 91.73 165.31 240.11
## [71] 70.97 129.88 96.56 135.18 94.96 79.02 86.90 94.39 71.95 180.02
## [81] 75.48 180.10 81.90 90.14 72.29 150.56 72.42 180.05 180.01 81.91
## [91] 122.66 146.02 163.69 90.74 71.23 74.92 253.03 88.58 180.03 163.56
## [101] 149.05 180.01 180.18 180.08 82.84 361.14 167.53 180.12 124.24 72.27
## [111] 164.52 180.05 180.01 77.61 181.37 180.07 180.08 71.35 177.49 254.06
## [121] 72.83 99.72 89.10 90.50 117.62 139.14 180.01 180.01 160.22 181.67
## [131] 75.79 140.88 180.10 74.20 167.91 99.20 109.09 94.00 77.76 46.59
## [141] 58.88 53.25 62.32 53.58 52.85 108.64 65.75 55.09 72.53 77.97
## [151] 63.04 70.48 78.02 49.28 52.16 48.97 61.49 46.58 56.57 51.97
## [161] 50.35 78.00 59.31 51.13 54.30 85.20 46.99 48.02 70.92 120.16
```

```
## [171] 49.50 53.48 120.02 120.01 86.49 120.11 54.53 49.04 56.31 60.19
## [181] 120.11 63.00 120.11 49.56 121.79 96.14 53.93 83.54 46.75 48.27
## [191] 105.50 120.11 47.23 104.24 120.01 120.19 53.83 46.85 98.95 47.77
## [201] 58.61 50.61 78.12 60.13 48.50 46.20 48.30 80.59 51.74 61.22
## [211] 49.63 49.95 53.22 49.47 48.64 103.54 52.13 74.47 121.74 69.33
## [221] 48.54 120.05 89.56 48.69 120.01 120.12 58.58 105.28 69.97 120.11
## [231] 123.59 46.13 100.51 48.72 120.01 120.07 57.89 120.04 49.71 120.02
## [241] 48.16 47.30 120.11 50.39 51.14 120.01 65.68 120.04 75.32 120.01
## [251] 120.96 79.74 108.32 46.81 121.24 120.12 120.01 121.86 46.05 51.07
## [261] 120.10 120.21 85.59 67.18 120.11 52.77 120.11 120.03 48.72 46.30
## [271] 120.01 47.02 79.61 67.84 108.53 89.02 56.02 48.20 49.30 84.92
## [281] 46.86 100.31 91.06 94.89 110.78 92.71 108.72 93.32 101.28 118.78
## [291] 95.75 91.73 98.11 115.56 92.19 120.11 111.26 126.67 106.35 92.86
## [301] 240.12 240.13 206.95 110.78 198.19 240.01 240.01 108.93 240.01 133.22
## [311] 240.11 91.29 92.55 92.88 106.94 99.23 130.41 95.74 114.67 137.15
## [321] 190.95 91.16 92.03 141.27 480.16 180.02 91.40 98.71 101.83 480.11
## [331] 207.95 124.44 94.00 93.99 99.16 93.13 94.94 97.09 155.42 92.46
## [341] 94.92 104.79 163.94 214.84 91.18 98.49 93.21 113.67 237.66 107.89
```

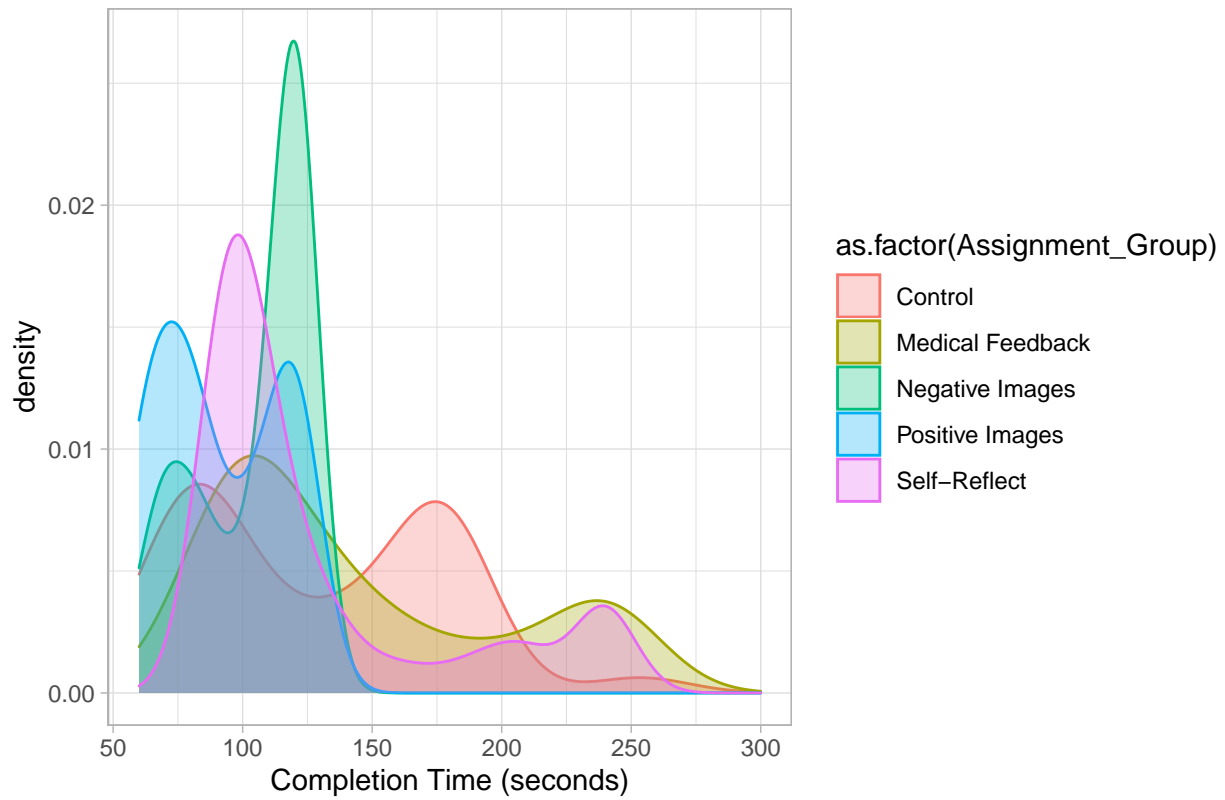
```
d_noncompliance_2 <- data.table(id=1:350)
d_noncompliance_2[, Assignment_Group := (c(rep("Medical Feedback", 70), rep("Control", 69), rep("Positive", 96)))
d_noncompliance_2[, Treatment_Phase2_SubmitTime := (coalesce(c(a,b,c,d,e)))]
```

```
##### plot density distributions of timing for Treatment Phase 2
```

```
ggplot(d_noncompliance_2, aes(x=Treatment_Phase2_SubmitTime, colour=as.factor(Assignment_Group), fill =
```

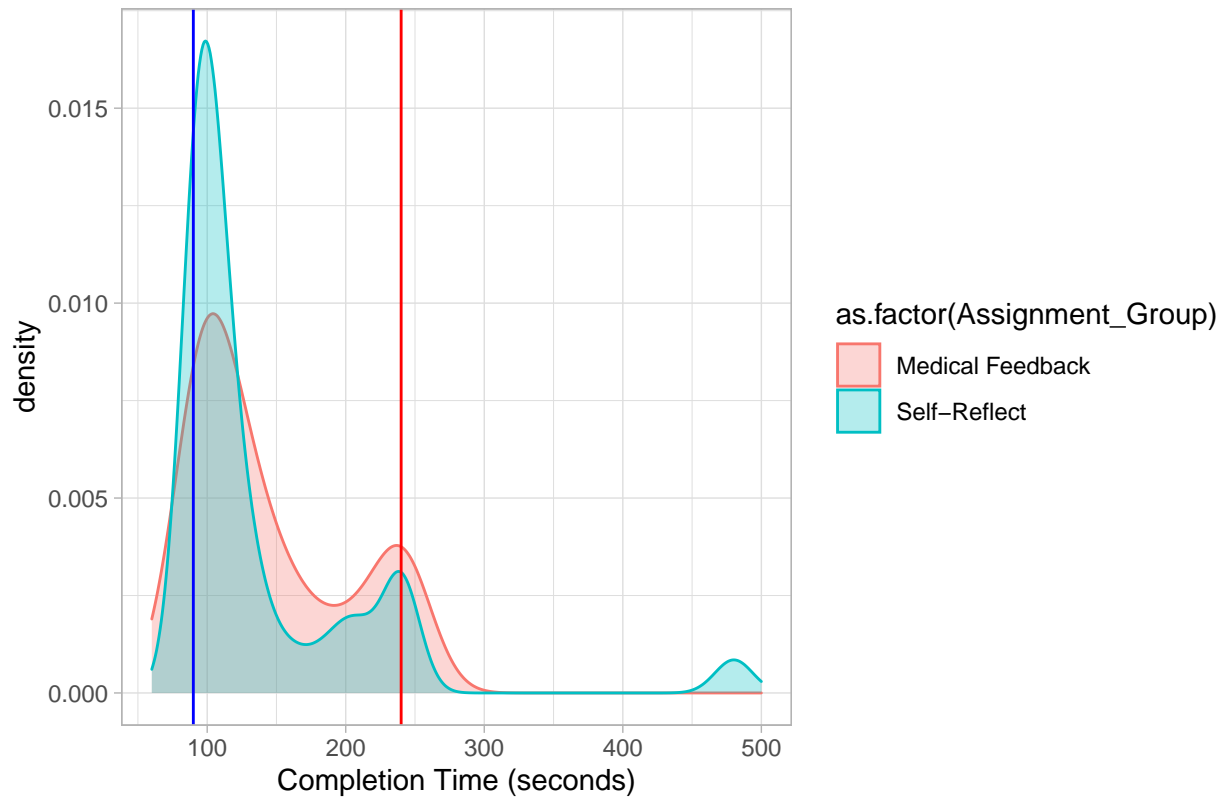
```
## Warning: Removed 68 rows containing non-finite values (stat_density).
```

Treatment Phase 2 Duration Distribution



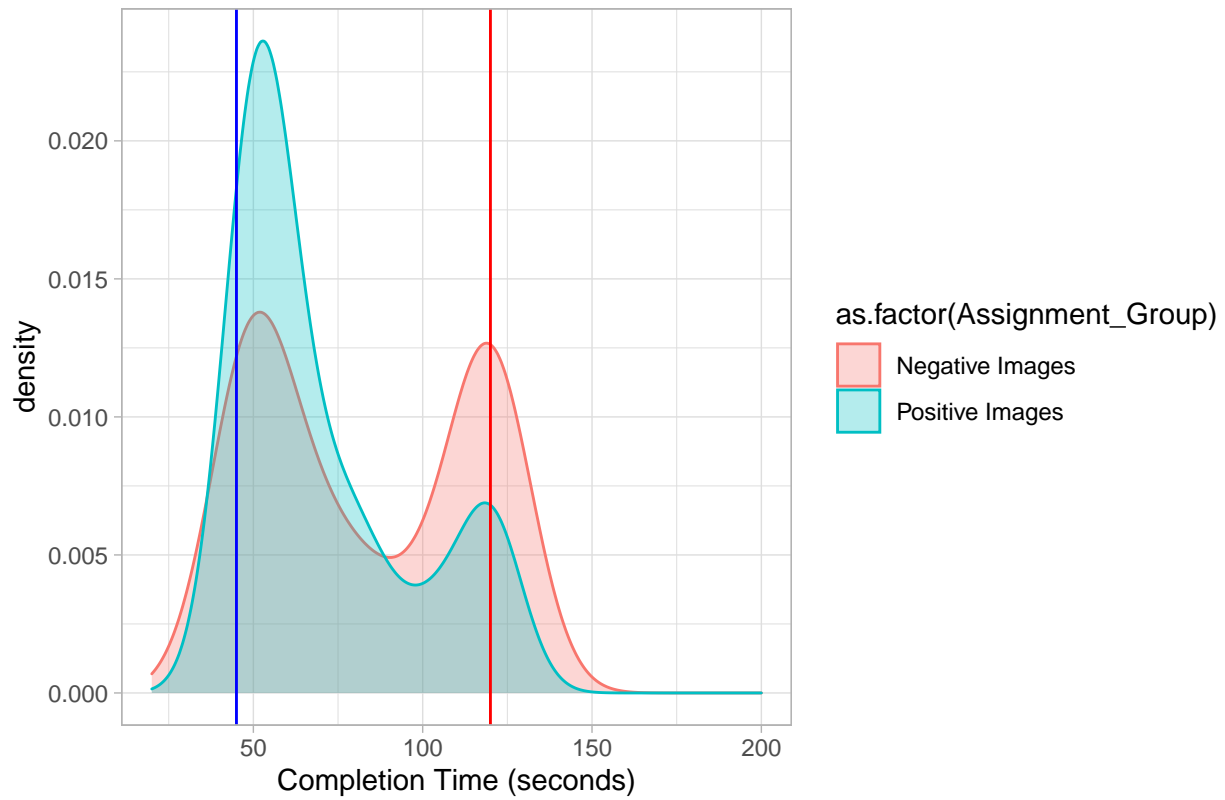
```
ggplot(d_noncompliance_2[Assignment_Group %in% c("Medical Feedback", "Self-Reflect")], aes(x=Treatment_1
```

Treatment Phase 2 Duration Distribution



```
ggplot(d_noncompliance_2[Assignment_Group %in% c("Positive Images", "Negative Images")], aes(x=Treatment
```

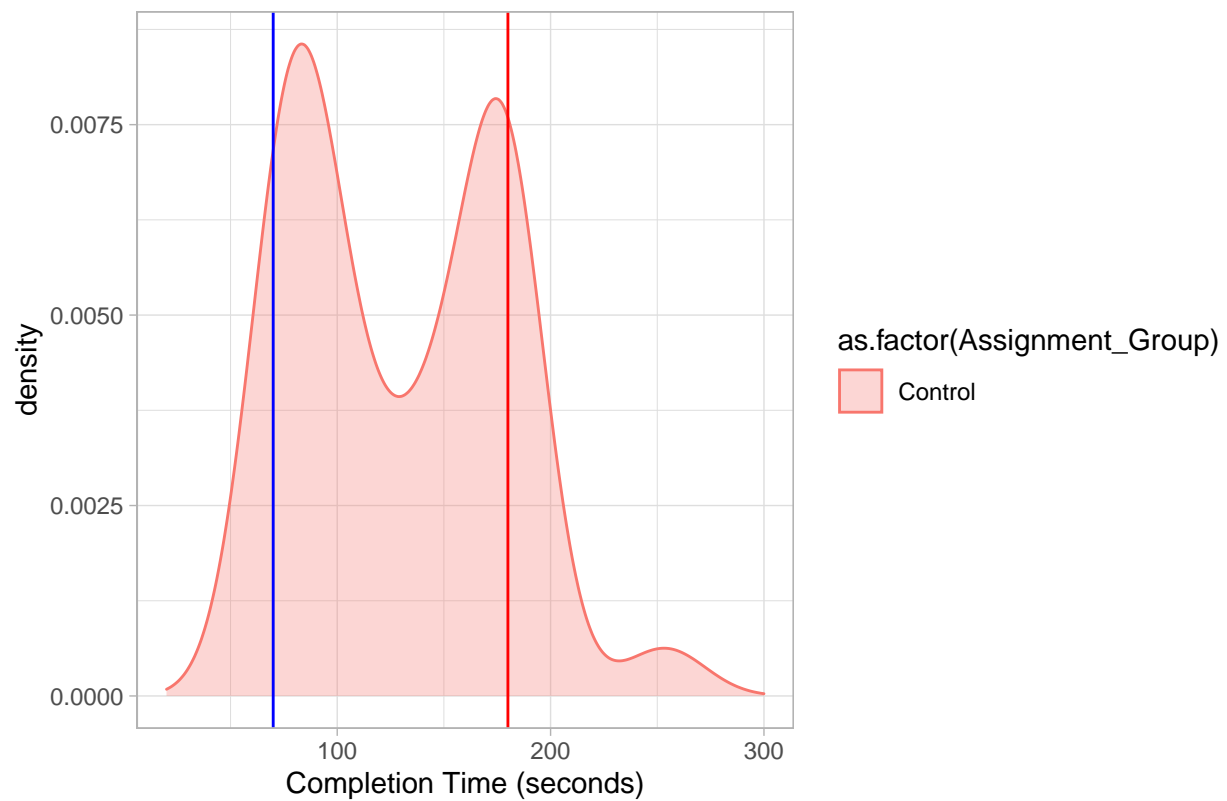
Treatment Phase 2 Duration Distribution



```
ggplot(d_noncompliance_2[Assignment_Group %in% c("Control")], aes(x=Treatment_Phase2_SubmitTime, colour=
```

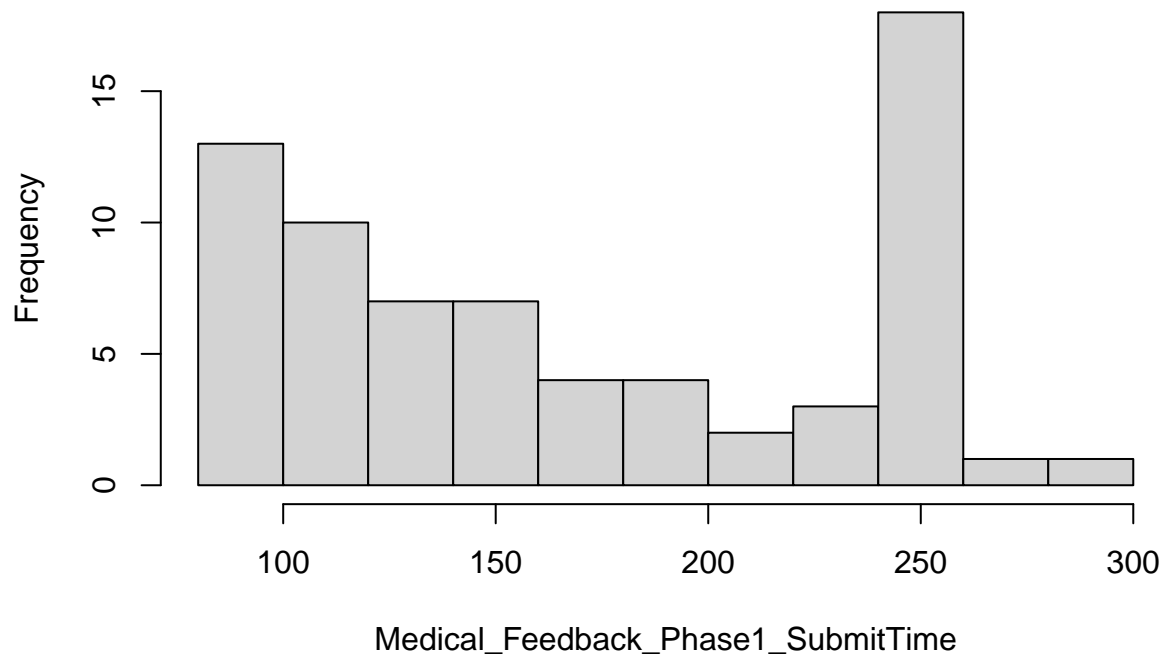
```
## Warning: Removed 1 rows containing non-finite values (stat_density).
```

Treatment Phase 2 Duration Distribution



```
#nrow(d_respondents[ Assignment_Group == "Self-Reflect", ])
#compare against designated miniumum time
d_respondents[ Assignment_Group == "Medical Feedback", hist(Medical_Feedback_Phase1_SubmitTime)]
```

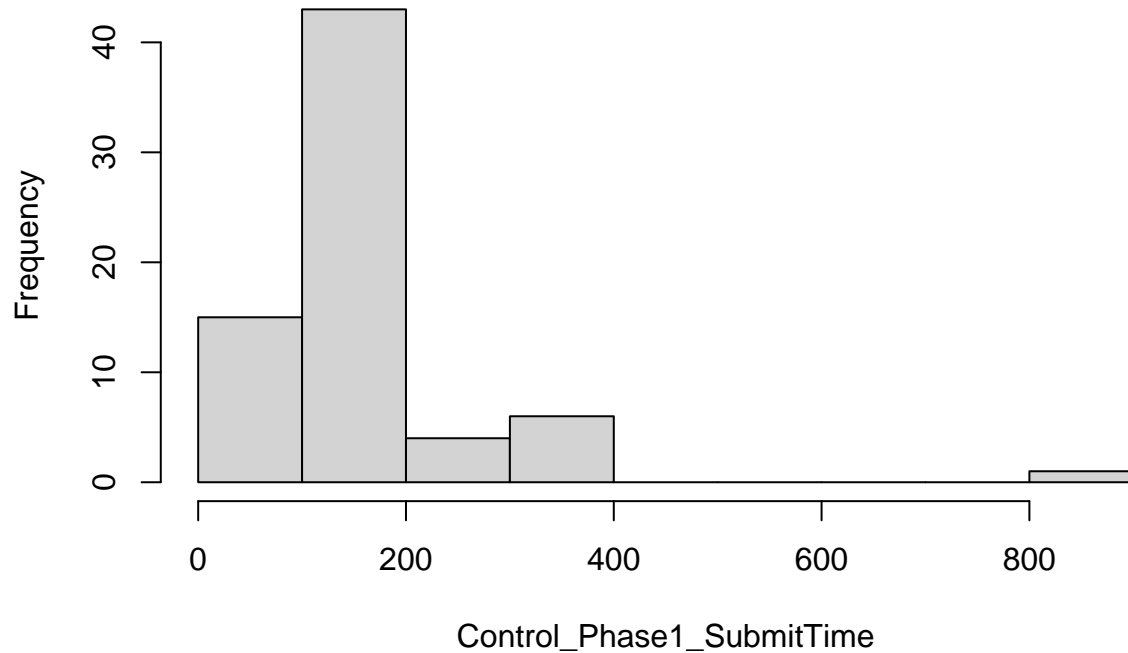
## Histogram of Medical\_Feedback\_Phase1\_SubmitTime



```
## $breaks
## [1] 80 100 120 140 160 180 200 220 240 260 280 300
##
## $counts
## [1] 13 10 7 7 4 4 2 3 18 1 1
##
## $density
## [1] 0.0092857 0.0071429 0.0050000 0.0050000 0.0028571 0.0028571 0.0014286
## [8] 0.0021429 0.0128571 0.0007143 0.0007143
##
## $mids
## [1] 90 110 130 150 170 190 210 230 250 270 290
##
## $xname
## [1] "Medical_Feedback_Phase1_SubmitTime"
##
## $equidist
## [1] TRUE
##
## attr("class")
## [1] "histogram"
```

```
d_respondents[ Assignment_Group == "Control", hist(Control_Phase1_SubmitTime)]
```

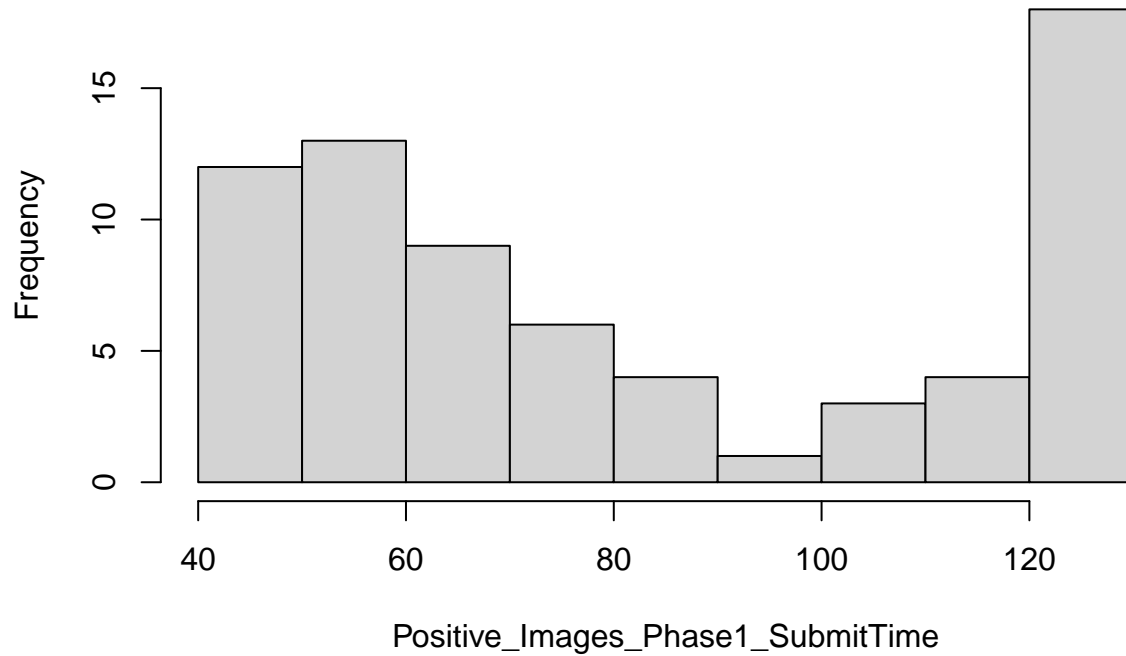
## Histogram of Control\_Phase1\_SubmitTime



```
## $breaks
## [1] 0 100 200 300 400 500 600 700 800 900
##
## $counts
## [1] 15 43 4 6 0 0 0 0 1
##
## $density
## [1] 0.0021739 0.0062319 0.0005797 0.0008696 0.0000000 0.0000000 0.0000000
## [8] 0.0000000 0.0001449
##
## $mids
## [1] 50 150 250 350 450 550 650 750 850
##
## $xname
## [1] "Control_Phase1_SubmitTime"
##
## $equidist
## [1] TRUE
##
## attr("class")
## [1] "histogram"
d_respondents[ Assignment_Group == "Positive Images", hist(Positive_Images_Phase1_SubmitTime)]
```

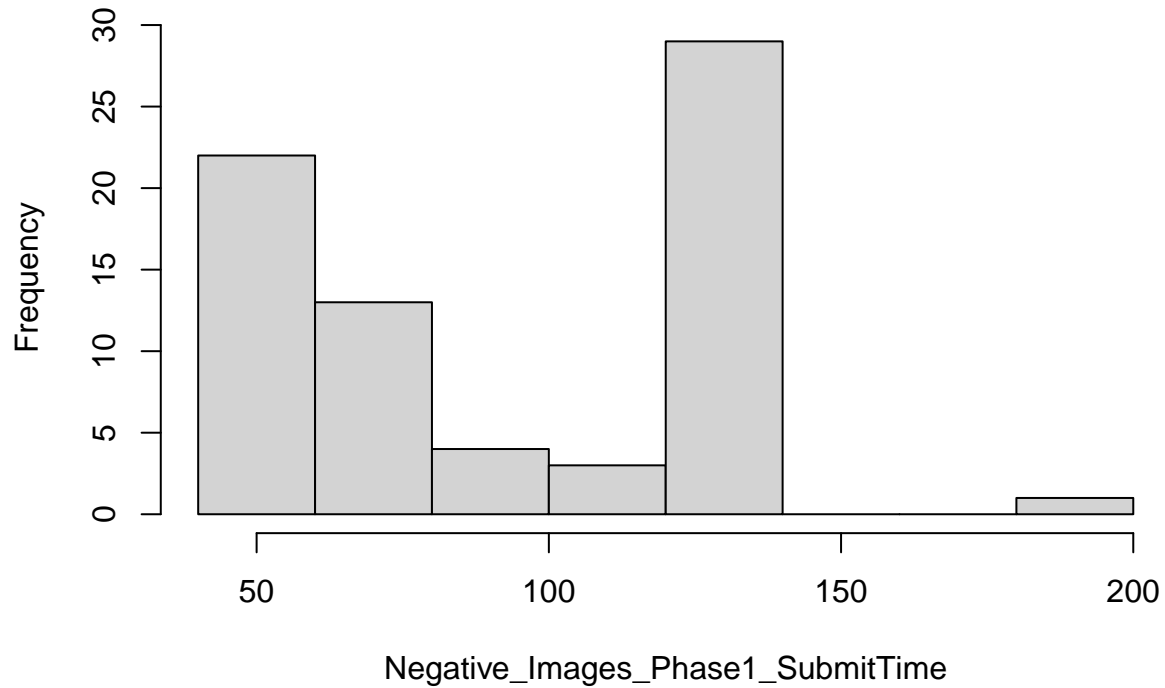


## Histogram of Positive\_Images\_Phase1\_SubmitTime



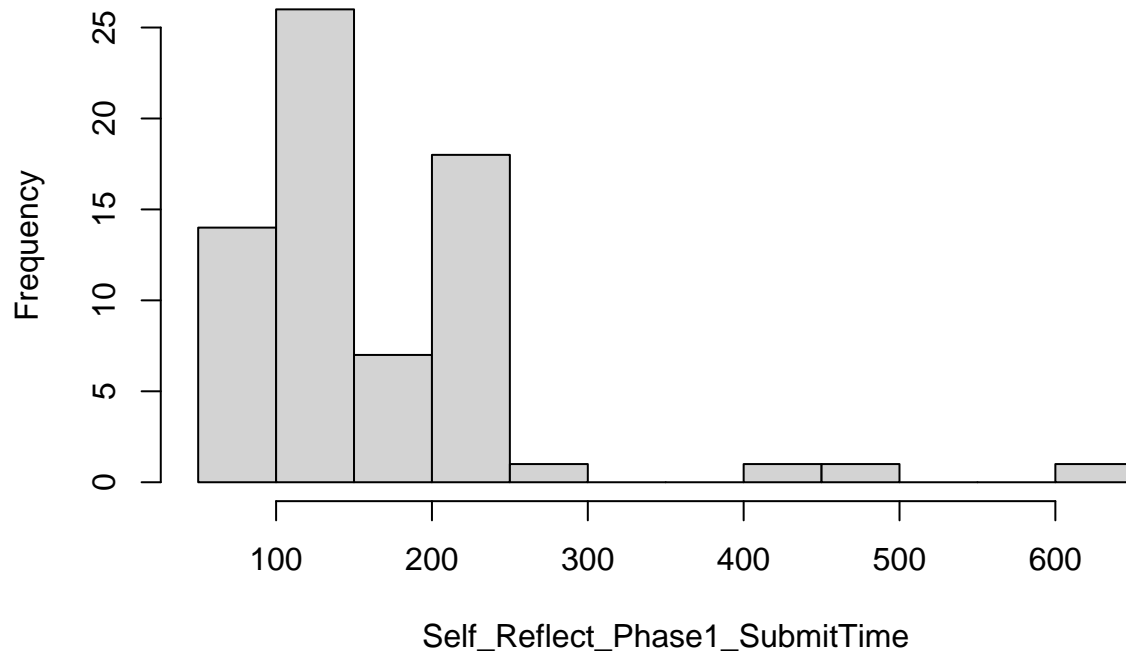
```
## $breaks
## [1] 40 50 60 70 80 90 100 110 120 130
##
## $counts
## [1] 12 13 9 6 4 1 3 4 18
##
## $density
## [1] 0.017143 0.018571 0.012857 0.008571 0.005714 0.001429 0.004286 0.005714
## [9] 0.025714
##
## $mids
## [1] 45 55 65 75 85 95 105 115 125
##
## $xname
## [1] "Positive_Images_Phase1_SubmitTime"
##
## $equidist
## [1] TRUE
##
## attr("class")
## [1] "histogram"
d_respondents[ Assignment_Group == "Negative Images", hist(Negative_Images_Phase1_SubmitTime)]
```

# Histogram of Negative\_Images\_Phase1\_SubmitTime



```
## $breaks
## [1] 40 60 80 100 120 140 160 180 200
##
## $counts
## [1] 22 13 4 3 29 0 0 1
##
## $density
## [1] 0.0152778 0.0090278 0.0027778 0.0020833 0.0201389 0.0000000 0.0000000
## [8] 0.0006944
##
## $mids
## [1] 50 70 90 110 130 150 170 190
##
## $xname
## [1] "Negative_Images_Phase1_SubmitTime"
##
## $equidist
## [1] TRUE
##
## attr("class")
## [1] "histogram"
d_respondents[ Assignment_Group == "Self-Reflect", hist(Self_Reflect_Phase1_SubmitTime)]
```

## Histogram of Self\_Reflect\_Phase1\_SubmitTime



```
## $breaks
## [1] 50 100 150 200 250 300 350 400 450 500 550 600 650
##
## $counts
## [1] 14 26 7 18 1 0 0 1 1 0 0 1
##
## $density
## [1] 0.0040580 0.0075362 0.0020290 0.0052174 0.0002899 0.0000000 0.0000000
## [8] 0.0002899 0.0002899 0.0000000 0.0000000 0.0002899
##
## $mids
## [1] 75 125 175 225 275 325 375 425 475 525 575 625
##
## $xname
## [1] "Self_Reflect_Phase1_SubmitTime"
##
## $equidist
## [1] TRUE
##
## attr(,"class")
## [1] "histogram"

d_respondents[ Assignment_Group == "Medical Feedback", mean(Medical_Feedback_Phase1_SubmitTime)]

## [1] 166.9

d_respondents[ Assignment_Group == "Control", mean(Control_Phase1_SubmitTime)]

## [1] 172.4
```

```

d_respondents[ Assignment_Group == "Positive Images", mean(Positive_Images_Phase1_SubmitTime)]

## [1] 81.55

d_respondents[ Assignment_Group == "Negative Images", mean(Negative_Images_Phase1_SubmitTime)]

## [1] 87.93

d_respondents[ Assignment_Group == "Self-Reflect", mean(Self_Reflect_Phase1_SubmitTime)]

## [1] 170.4

d_respondents[ Assignment_Group == "Self-Reflect",
                Self_Reflect_Q1_NumWords := sapply(strsplit(Self_Reflect_Q1, " "), length)]

d_respondents[ Assignment_Group == "Self-Reflect",
                Self_Reflect_Q2_NumWords := sapply(strsplit(Self_Reflect_Q2, " "), length)]

d_respondents[ Assignment_Group == "Self-Reflect", Self_Reflect_Q1_NumWords]

## [1] 17 24 39 10 1 40 2 8 13 13 38 8 1 1 1 9 1 12 28 9 30 19 1 25 1
## [26] 1 1 1 10 1 6 7 16 1 33 9 22 8 7 7 1 4 9 1 3 2 1 11 1 11
## [51] 1 9 1 7 1 2 6 1 9 1 22 32 5 21 25 30 8 11 1

d_respondents[ Assignment_Group == "Self-Reflect", Self_Reflect_Q2_NumWords]

## [1] 17 25 66 6 1 71 3 19 5 10 39 7 1 1 1 12 1 12 17 16 48 21 1 41 1
## [26] 1 1 1 4 2 8 6 16 1 17 9 14 8 6 6 1 2 11 1 1 2 1 6 1 3
## [51] 1 12 5 6 1 2 7 2 9 1 10 30 4 18 46 26 12 9 1

# some noncompliant responses for self reflection Q1...assume noncompliant responses have less than 5 w
d_respondents[d_respondents[, Self_Reflect_Q1_NumWords < 5]]

```

```

##           StartDate      EndDate      Status      IPAddress Progress
## 1: 2020-11-09 20:47:34 2020-11-09 20:55:09 IP Address 173.70.2.215      100
## 2: 2020-11-09 20:50:26 2020-11-09 20:55:21 IP Address 171.61.229.55      100
## 3: 2020-11-09 20:49:21 2020-11-09 20:57:51 IP Address 122.178.23.10      100
## 4: 2020-11-09 20:46:47 2020-11-09 20:57:55 IP Address 209.161.80.251      100
## 5: 2020-11-09 20:53:43 2020-11-09 20:59:59 IP Address 97.100.155.51      100
## 6: 2020-11-09 20:48:01 2020-11-09 21:00:43 IP Address 134.202.123.149     100
## 7: 2020-11-09 20:48:22 2020-11-09 21:02:09 IP Address 157.51.16.58       100
## 8: 2020-11-09 20:50:37 2020-11-09 21:02:24 IP Address 122.183.145.111     100
## 9: 2020-11-09 20:52:32 2020-11-09 21:02:28 IP Address 157.49.241.241     100
## 10: 2020-11-09 20:49:45 2020-11-09 21:02:36 IP Address 157.51.15.22        100
## 11: 2020-11-09 20:47:48 2020-11-09 21:02:58 IP Address 122.174.117.162     100
## 12: 2020-11-09 20:53:27 2020-11-09 21:03:24 IP Address 122.174.126.108     100
## 13: 2020-11-09 20:54:16 2020-11-09 21:05:15 IP Address 216.189.109.73      100
## 14: 2020-11-09 21:03:41 2020-11-09 21:08:36 IP Address 157.46.83.213       100
## 15: 2020-11-09 21:03:28 2020-11-09 21:09:09 IP Address 73.95.138.212       100
## 16: 2020-11-09 20:52:25 2020-11-09 21:10:36 IP Address 196.17.66.62        100
## 17: 2020-11-09 21:00:52 2020-11-09 21:11:02 IP Address 196.17.65.253       100
## 18: 2020-11-09 21:04:57 2020-11-09 21:12:21 IP Address 220.158.140.61      100
## 19: 2020-11-09 21:03:34 2020-11-09 21:14:02 IP Address 122.174.86.228       100
## 20: 2020-11-09 20:59:48 2020-11-09 21:15:41 IP Address 196.17.67.180       100
## 21: 2020-11-09 21:17:50 2020-11-09 21:25:44 IP Address 157.49.242.144      100
## 22: 2020-11-09 21:20:59 2020-11-09 21:29:44 IP Address 196.17.65.206       100

```

## 23:	2020-11-09 21:21:58	2020-11-09 21:33:00	IP Address	196.17.66.144	100
## 24:	2020-11-09 21:31:52	2020-11-09 21:36:22	IP Address	196.17.66.29	100
## 25:	2020-11-09 21:53:22	2020-11-09 22:09:39	IP Address	196.17.66.78	100
## 26:	2020-11-12 17:49:45	2020-11-12 17:58:23	IP Address	104.178.7.136	100
## 27:	2020-11-12 20:38:28	2020-11-12 20:58:22	IP Address	196.17.65.211	100

##	Survey_Duration	Finished	RecordedDate	ResponseId	Progress
##	StartDate	EndDate	Status	IPAddress	
## 1:	454	TRUE	2020-11-09 20:55:10	R_2B1LpRzvBE15zAy	
## 2:	294	TRUE	2020-11-09 20:55:21	R_2AEiOpWhf0itDTY	
## 3:	510	TRUE	2020-11-09 20:57:52	R_27yuhCQ7gunayRP	
## 4:	667	TRUE	2020-11-09 20:57:55	R_3EyaU4JIIWd8s8Q	
## 5:	376	TRUE	2020-11-09 21:00:00	R_3Hh1k31qt2nhjEO	
## 6:	762	TRUE	2020-11-09 21:00:43	R_1o72E7NLkpDMOX0	
## 7:	827	TRUE	2020-11-09 21:02:09	R_Xupnp9K0PnORsaZ	
## 8:	706	TRUE	2020-11-09 21:02:24	R_3mmcDLjYNpsqybm	
## 9:	595	TRUE	2020-11-09 21:02:28	R_29n3GS4E7K8KCaQ	
## 10:	771	TRUE	2020-11-09 21:02:37	R_9pDpMKwwwyLW5Lr	
## 11:	910	TRUE	2020-11-09 21:02:59	R_1jjfXLHh1VD64IH	
## 12:	596	TRUE	2020-11-09 21:03:24	R_32Q3NWNpqeZvY8u	
## 13:	659	TRUE	2020-11-09 21:05:16	R_3RyCikzhaYz6fUc	
## 14:	295	TRUE	2020-11-09 21:08:37	R_3EXyaAY5J259i6c	
## 15:	341	TRUE	2020-11-09 21:09:09	R_1M0rg3VN3yvT00Q	
## 16:	1091	TRUE	2020-11-09 21:10:36	R_1pEgLMb2jtcjPvc	
## 17:	609	TRUE	2020-11-09 21:11:02	R_2eQmbi8pdlsnxb2	
## 18:	444	TRUE	2020-11-09 21:12:21	R_3fPHWSYW7mUiEEN	
## 19:	628	TRUE	2020-11-09 21:14:02	R_10Ab9irP82Hq6dY	
## 20:	952	TRUE	2020-11-09 21:15:41	R_3Rsbpf2hi9rGin4	
## 21:	474	TRUE	2020-11-09 21:25:44	R_10re3oPExwWgHIV	
## 22:	524	TRUE	2020-11-09 21:29:44	R_2z8gy3bgT1LEnFp	
## 23:	662	TRUE	2020-11-09 21:33:00	R_brcEVAUW2L9fsWZ	
## 24:	270	TRUE	2020-11-09 21:36:22	R_3000JnZGFZjWvdG	
## 25:	977	TRUE	2020-11-09 22:09:40	R_reeaJaRVTd39isp	
## 26:	518	TRUE	2020-11-12 17:58:24	R_2E73VCWPzLa4IBs	
## 27:	1193	TRUE	2020-11-12 20:58:22	R_3p5w6Uh2BosYB4w	

##	Survey_Duration	Finished	RecordedDate	ResponseId
##	RecipientLastName	RecipientFirstName	RecipientEmail	ExternalReference
## 1:	NA	NA	NA	NA
## 2:	NA	NA	NA	NA
## 3:	NA	NA	NA	NA
## 4:	NA	NA	NA	NA
## 5:	NA	NA	NA	NA
## 6:	NA	NA	NA	NA
## 7:	NA	NA	NA	NA
## 8:	NA	NA	NA	NA
## 9:	NA	NA	NA	NA
## 10:	NA	NA	NA	NA
## 11:	NA	NA	NA	NA
## 12:	NA	NA	NA	NA
## 13:	NA	NA	NA	NA
## 14:	NA	NA	NA	NA
## 15:	NA	NA	NA	NA
## 16:	NA	NA	NA	NA
## 17:	NA	NA	NA	NA
## 18:	NA	NA	NA	NA

## 19:	NA	NA	NA	NA
## 20:	NA	NA	NA	NA
## 21:	NA	NA	NA	NA
## 22:	NA	NA	NA	NA
## 23:	NA	NA	NA	NA
## 24:	NA	NA	NA	NA
## 25:	NA	NA	NA	NA
## 26:	NA	NA	NA	NA
## 27:	NA	NA	NA	NA
##	RecipientLastName	RecipientFirstName	RecipientEmail	ExternalReference
##	LocationLatitude	LocationLongitude	DistributionChannel	UserLanguage
## 1:	40.93	-74.12	anonymous	EN
## 2:	13.09	80.28	anonymous	EN
## 3:	13.09	80.28	anonymous	EN
## 4:	37.75	-97.82	anonymous	EN
## 5:	28.33	-81.36	anonymous	EN
## 6:	38.96	-77.34	anonymous	EN
## 7:	13.09	80.28	anonymous	EN
## 8:	13.09	80.28	anonymous	EN
## 9:	13.09	80.28	anonymous	EN
## 10:	13.09	80.28	anonymous	EN
## 11:	13.09	80.28	anonymous	EN
## 12:	13.09	80.28	anonymous	EN
## 13:	37.75	-97.82	anonymous	EN
## 14:	13.09	80.28	anonymous	EN
## 15:	38.85	-104.86	anonymous	EN
## 16:	34.05	-118.24	anonymous	EN
## 17:	34.05	-118.24	anonymous	EN
## 18:	11.12	77.35	anonymous	EN
## 19:	13.09	80.28	anonymous	EN
## 20:	34.05	-118.24	anonymous	EN
## 21:	13.09	80.28	anonymous	EN
## 22:	34.05	-118.24	anonymous	EN
## 23:	34.05	-118.24	anonymous	EN
## 24:	34.05	-118.24	anonymous	EN
## 25:	34.05	-118.24	anonymous	EN
## 26:	29.85	-95.66	anonymous	EN
## 27:	34.05	-118.24	anonymous	EN
##	LocationLatitude	LocationLongitude	DistributionChannel	UserLanguage
##	Amazon_Turk_ID	Gender	Q82_3_TEXT	Age_Range
##				Education_Level
## 1:	A1PUOSCN106A97	Male	NA	45-54
## 2:	A2T5YZ59U9S02Q	Male	NA	35-44
## 3:	AXZD995R6QOLX	Male	NA	35-44
## 4:	A2AC3JVSJELTUP	Female	NA	45-54
## 5:	AL9NMDRHC6U4P	Male	NA	45-54
## 6:	APTX33F6PWLXB	Male	NA	25-34
## 7:	A3OD4F0SA7EBCL	Female	NA	25-34
## 8:	AAKMRXEWL58MW	Male	NA	35-44
## 9:	A1S3GKL6QIS58S	Male	NA	25-34
## 10:	A3VP14XN3WUUOC	Male	NA	25-34
## 11:	A174WAR8BTZPP1	Male	NA	35-44
## 12:	A7SGSBUXRCWHD	Male	NA	35-44
## 13:	A2FFYLWXNYROLE	Female	NA	25-34
## 14:	A3D4CITR1C9L3W	Female	NA	25-34

## 15:	A3JHC4G2MHX9JS	Male	NA	25-34	Bachelor's degree		
## 16:	A11700AC2IDNL	Male	NA	45-54	Bachelor's degree		
## 17:	ACOB5ZD2HX5EJ	Female	NA	45-54	Bachelor's degree		
## 18:	A382SL9ROIY1P6	Male	NA	25-34	Bachelor's degree		
## 19:	A22UAN64LOTYJL	Male	NA	25-34	Bachelor's degree		
## 20:	A2HV0BJP1DIK38	Male	NA	55-64	Bachelor's degree		
## 21:	A3TDR6MXS6U05Z	Female	NA	25-34	Bachelor's degree		
## 22:	A2PQ9WLMNB067S	Female	NA	45-54	Master's degree and above		
## 23:	A3HJ17299K48S3	Female	NA	55-64	Bachelor's degree		
## 24:	AQL7N3YPKDWGW	Male	NA	45-54	Master's degree and above		
## 25:	ADE7A45FZKZYZ	Female	NA	55-64	Associate's degree		
## 26:	A10281ENT3FOT1	Male	NA	25-34	Bachelor's degree		
## 27:	A1A9000DAQAPOI	Male	NA	45-54	Bachelor's degree		
##	Amazon_Turk_ID	Gender	Q82_3_TEXT	Age_Range	Education_Level		
##	Q1	Q2	Q3	Q4	Q5	Q6	Q7
## 1:	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Pneumonia
## 2:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 3:	Normal	Normal	Normal	Normal	Normal	Normal	Pneumonia
## 4:	Pneumonia	Pneumonia	Normal	Normal	Pneumonia	Normal	Normal
## 5:	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal	Normal
## 6:	Pneumonia	Normal	Pneumonia	Normal	Normal	Normal	Normal
## 7:	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia	Pneumonia
## 8:	Normal	Pneumonia	Normal	Normal	Pneumonia	Pneumonia	Pneumonia
## 9:	Normal	Normal	Normal	Normal	Normal	Pneumonia	Normal
## 10:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 11:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 12:	Normal	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Normal
## 13:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 14:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 15:	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Normal
## 16:	Normal	Pneumonia	Normal	Normal	Normal	Normal	Normal
## 17:	Normal	Pneumonia	Pneumonia	Normal	Normal	Pneumonia	Pneumonia
## 18:	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal
## 19:	Normal	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 20:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 21:	Normal	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal
## 22:	Normal	Normal	Normal	Pneumonia	Pneumonia	Normal	Pneumonia
## 23:	Pneumonia	Pneumonia	Normal	Normal	Pneumonia	Normal	Normal
## 24:	Normal	Pneumonia	Pneumonia	Normal	Normal	Normal	Pneumonia
## 25:	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 26:	Pneumonia	Pneumonia	Pneumonia	Normal	Normal	Normal	Pneumonia
## 27:	Normal	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Normal
##	Q1	Q2	Q3	Q4	Q5	Q6	Q7
##	Q8	Q9	Q10	Control_Q1	Control_Phase1_First_ClickTime		
## 1:	Pneumonia	Pneumonia	Pneumonia				NA
## 2:	Normal	Normal	Pneumonia				NA
## 3:	Normal	Pneumonia	Normal				NA
## 4:	Pneumonia	Pneumonia	Normal				NA
## 5:	Normal	Normal	Normal				NA
## 6:	Normal	Normal	Normal				NA
## 7:	Normal	Pneumonia	Normal				NA
## 8:	Normal	Pneumonia	Normal				NA
## 9:	Normal	Normal	Normal				NA
## 10:	Pneumonia	Normal	Pneumonia				NA

## 11:	Normal	Pneumonia	Pneumonia						NA
## 12:	Pneumonia	Normal	Pneumonia						NA
## 13:	Pneumonia	Pneumonia	Pneumonia						NA
## 14:	Normal	Normal	Normal						NA
## 15:	Normal	Pneumonia	Pneumonia						NA
## 16:	Pneumonia	Pneumonia	Normal						NA
## 17:	Normal	Pneumonia	Pneumonia						NA
## 18:	Pneumonia	Pneumonia	Pneumonia						NA
## 19:	Normal	Normal	Normal						NA
## 20:	Pneumonia	Normal	Normal						NA
## 21:	Pneumonia	Normal	Pneumonia						NA
## 22:	Normal	Pneumonia	Pneumonia						NA
## 23:	Normal	Pneumonia	Pneumonia						NA
## 24:	Pneumonia	Pneumonia	Pneumonia						NA
## 25:	Normal	Pneumonia	Normal						NA
## 26:	Normal	Normal	Normal						NA
## 27:	Normal	Normal	Normal						NA
##	Q8	Q9	Q10	Control_Q1	Control_Phase1_First_ClickTime				
##	Control_Phase1_Last_ClickTime			Control_Phase1_SubmitTime					
## 1:			NA		NA				
## 2:			NA		NA				
## 3:			NA		NA				
## 4:			NA		NA				
## 5:			NA		NA				
## 6:			NA		NA				
## 7:			NA		NA				
## 8:			NA		NA				
## 9:			NA		NA				
## 10:			NA		NA				
## 11:			NA		NA				
## 12:			NA		NA				
## 13:			NA		NA				
## 14:			NA		NA				
## 15:			NA		NA				
## 16:			NA		NA				
## 17:			NA		NA				
## 18:			NA		NA				
## 19:			NA		NA				
## 20:			NA		NA				
## 21:			NA		NA				
## 22:			NA		NA				
## 23:			NA		NA				
## 24:			NA		NA				
## 25:			NA		NA				
## 26:			NA		NA				
## 27:			NA		NA				
##	Control_Phase1_Last_ClickTime			Control_Phase1_SubmitTime					
##	Control_Phase1_NumClicks	Q11	Q12	Q13	Q14	Q15			
## 1:	NA	Normal	Normal	Normal	Normal	Normal			
## 2:	NA	Normal	Pneumonia	Normal	Normal	Pneumonia			
## 3:	NA	Normal	Pneumonia	Pneumonia	Normal	Normal			
## 4:	NA	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia			
## 5:	NA	Normal	Pneumonia	Normal	Normal	Normal			
## 6:	NA	Normal	Normal	Normal	Normal	Normal			



##	7:	NA	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal
##	8:	NA	Normal	Normal	Normal	Pneumonia	Pneumonia
##	9:	NA	Normal	Normal	Normal	Normal	Pneumonia
##	10:	NA	Normal	Pneumonia	Normal	Normal	Pneumonia
##	11:	NA	Normal	Pneumonia	Normal	Normal	Pneumonia
##	12:	NA	Normal	Normal	Pneumonia	Pneumonia	Normal
##	13:	NA	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
##	14:	NA	Pneumonia	Normal	Normal	Pneumonia	Normal
##	15:	NA	Pneumonia	Normal	Pneumonia	Pneumonia	Normal
##	16:	NA	Normal	Normal	Pneumonia	Normal	Pneumonia
##	17:	NA	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
##	18:	NA	Normal	Normal	Pneumonia	Pneumonia	Normal
##	19:	NA	Normal	Pneumonia	Pneumonia	Normal	Normal
##	20:	NA	Normal	Normal	Pneumonia	Normal	Normal
##	21:	NA	Normal	Pneumonia	Normal	Pneumonia	Normal
##	22:	NA	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
##	23:	NA	Normal	Normal	Normal	Pneumonia	Normal
##	24:	NA	Pneumonia	Normal	Normal	Pneumonia	Normal
##	25:	NA	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
##	26:	NA	Pneumonia	Normal	Normal	Pneumonia	Normal
##	27:	NA	Normal	Normal	Normal	Pneumonia	Normal
##	Control_Phase1_NumClicks		Q11	Q12	Q13	Q14	Q15
##		Q16	Q17	Q18	Q19	Q20	Control_Q2
##	1:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	
##	2:	Normal	Pneumonia	Normal	Normal	Normal	
##	3:	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	
##	4:	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	
##	5:	Normal	Normal	Normal	Normal	Normal	
##	6:	Pneumonia	Normal	Normal	Normal	Pneumonia	
##	7:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	
##	8:	Normal	Pneumonia	Normal	Normal	Normal	
##	9:	Normal	Normal	Normal	Normal	Normal	
##	10:	Normal	Pneumonia	Normal	Pneumonia	Normal	
##	11:	Normal	Normal	Pneumonia	Pneumonia	Normal	
##	12:	Pneumonia	Normal	Normal	Pneumonia	Normal	
##	13:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	
##	14:	Normal	Normal	Pneumonia	Normal	Pneumonia	
##	15:	Normal	Normal	Pneumonia	Normal	Pneumonia	
##	16:	Normal	Normal	Normal	Normal	Normal	
##	17:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	
##	18:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	
##	19:	Normal	Normal	Pneumonia	Normal	Normal	
##	20:	Pneumonia	Normal	Normal	Normal	Normal	
##	21:	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	
##	22:	Normal	Pneumonia	Normal	Pneumonia	Normal	
##	23:	Normal	Normal	Pneumonia	Normal	Normal	
##	24:	Normal	Normal	Normal	Normal	Pneumonia	
##	25:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	
##	26:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	
##	27:	Normal	Pneumonia	Pneumonia	Normal	Normal	
##		Q16	Q17	Q18	Q19	Q20	Control_Q2
##	Control_Phase2_First_ClickTime						
##	1:			NA			NA
##	2:			NA			NA

## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Control_Phase2_First_ClickTime	Control_Phase2_Last_ClickTime
##	Control_Phase2_SubmitTime	Control_Phase2_NumClicks
##		Q21
##		Q22
## 1:	NA	NA Normal Normal
## 2:	NA	NA Normal Normal
## 3:	NA	NA Normal Normal
## 4:	NA	NA Normal Normal
## 5:	NA	NA Normal Normal
## 6:	NA	NA Normal Pneumonia
## 7:	NA	NA Pneumonia Normal
## 8:	NA	NA Normal Pneumonia
## 9:	NA	NA Normal Normal
## 10:	NA	NA Pneumonia Normal
## 11:	NA	NA Normal Pneumonia
## 12:	NA	NA Normal Pneumonia
## 13:	NA	NA Pneumonia Pneumonia
## 14:	NA	NA Normal Pneumonia
## 15:	NA	NA Normal Normal
## 16:	NA	NA Normal Normal
## 17:	NA	NA Pneumonia Pneumonia
## 18:	NA	NA Normal Normal
## 19:	NA	NA Normal Normal
## 20:	NA	NA Normal Normal
## 21:	NA	NA Normal Pneumonia
## 22:	NA	NA Pneumonia Pneumonia
## 23:	NA	NA Normal Normal
## 24:	NA	NA Pneumonia Normal
## 25:	NA	NA Normal Pneumonia
## 26:	NA	NA Pneumonia Pneumonia
## 27:	NA	NA Normal Normal

##	Control_Phase2_SubmitTime	Control_Phase2_NumClicks	Q21	Q22			
##	Q23	Q24	Q25	Q26	Q27	Q28	Q29
## 1:	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Normal	Normal
## 2:	Normal	Pneumonia	Normal	Normal	Normal	Normal	Pneumonia
## 3:	Normal	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal
## 4:	Pneumonia	Pneumonia	Normal	Normal	Normal	Normal	Normal
## 5:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 6:	Normal	Normal	Normal	Pneumonia	Normal	Normal	Normal
## 7:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 8:	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia
## 9:	Pneumonia	Normal	Normal	Normal	Normal	Normal	Pneumonia
## 10:	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 11:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Normal
## 12:	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 13:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 14:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 15:	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal
## 16:	Normal	Pneumonia	Normal	Normal	Normal	Normal	Normal
## 17:	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 18:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal
## 19:	Normal	Normal	Pneumonia	Normal	Normal	Normal	Normal
## 20:	Normal	Normal	Normal	Normal	Normal	Normal	Pneumonia
## 21:	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia
## 22:	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia
## 23:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 24:	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 25:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 26:	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia	Pneumonia
## 27:	Normal	Normal	Normal	Pneumonia	Normal	Normal	Pneumonia
##	Q23	Q24	Q25	Q26	Q27	Q28	Q29
##	Q30						
## 1:	Normal						
## 2:	Normal						
## 3:	Normal						
## 4:	Normal						
## 5:	Normal						
## 6:	Normal						
## 7:	Pneumonia						
## 8:	Pneumonia						
## 9:	Normal						
## 10:	Normal						
## 11:	Normal						
## 12:	Normal						
## 13:	Normal						
## 14:	Pneumonia						
## 15:	Normal						
## 16:	Normal						
## 17:	Normal						
## 18:	Normal						
## 19:	Normal						
## 20:	Normal						
## 21:	Normal						
## 22:	Pneumonia						
## 23:	Pneumonia						

```

## 24: Pneumonia
## 25: Pneumonia
## 26: Normal
## 27: Normal
##      Q30
##
## 1:      Image 1Correct diagnosis: Normal\nYou chose: ${q://QID1/ChoiceGroup/SelectedChoices}\n
## 2:      Image 3Correct diagnosis: Pneumonia\nYou chose: ${q://QID6/ChoiceGroup/SelectedChoices}\n
## 3:      Image 5Correct diagnosis: Normal\nYou chose: ${q://QID16/ChoiceGroup/SelectedChoices}\n
## 4:
## 5:      Image 10 Correct diagnosis: NormalYou chose: ${q://QID21/ChoiceGroup/SelectedChoices}
## 6:
## 7:      Image 10 Correct diagnosis: NormalYou chose: ${q://QID21/ChoiceGroup/SelectedChoices}
## 8:      Image 7Correct diagnosis: Pneumonia\nYou chose ${q://QID18/ChoiceGroup/SelectedChoices}\n
## 9:      Image 4Correct diagnosis: PneumoniaYou chose: ${q://QID7/ChoiceGroup/SelectedChoices}
## 10:     Image 3Correct diagnosis: Pneumonia\nYou chose: ${q://QID6/ChoiceGroup/SelectedChoices}\n
## 11:     Image 10 Correct diagnosis: NormalYou chose: ${q://QID21/ChoiceGroup/SelectedChoices}
## 12:     Image 3Correct diagnosis: Pneumonia\nYou chose: ${q://QID6/ChoiceGroup/SelectedChoices}\n
## 13:     Image 1Correct diagnosis: Normal\nYou chose: ${q://QID1/ChoiceGroup/SelectedChoices}\n
## 14:     Image 2Correct diagnosis: Normal\nYou chose: ${q://QID5/ChoiceGroup/SelectedChoices}\n
## 15:     Image 7Correct diagnosis: Pneumonia\nYou chose ${q://QID18/ChoiceGroup/SelectedChoices}\n
## 16:     Image 7Correct diagnosis: Pneumonia\nYou chose ${q://QID18/ChoiceGroup/SelectedChoices}\n
## 17:
## 18:     Image 9Correct diagnosis: Pneumonia\nYou chose: ${q://QID20/ChoiceGroup/SelectedChoices}\n
## 19:     Image 7Correct diagnosis: Pneumonia\nYou chose ${q://QID18/ChoiceGroup/SelectedChoices}\n
## 20:     Image 9Correct diagnosis: Pneumonia\nYou chose: ${q://QID20/ChoiceGroup/SelectedChoices}\n
## 21:     Image 7Correct diagnosis: Pneumonia\nYou chose ${q://QID18/ChoiceGroup/SelectedChoices}\n
## 22:
## 23:     Image 6Correct diagnosis: Pneumonia\nYou chose ${q://QID17/ChoiceGroup/SelectedChoices}\n
## 24:     Image 3Correct diagnosis: Pneumonia\nYou chose: ${q://QID6/ChoiceGroup/SelectedChoices}\n
## 25:     Image 1Correct diagnosis: Normal\nYou chose: ${q://QID1/ChoiceGroup/SelectedChoices}\n
## 26:
## 27:     Image 2Correct diagnosis: Normal\nYou chose: ${q://QID5/ChoiceGroup/SelectedChoices}\n
##
##      Self_Reflect_Q1 Self_Reflect_Phase1_First_ClickTime
## 1:      yes 12.121
## 2:      NICE IMAGE 62.613
## 3:      HEALTH 75.900
## 4:      fine 8.625
## 5:      HEALTH 91.932
## 6:      yes 22.027
## 7:      nothing 18.267
## 8:      HEALTH 6.790
## 9:      NOTHING 3.975
## 10:     noting 7.968
## 11:     HEALTH 51.525
## 12:     health 14.103
## 13:     7 5.657
## 14:     nothing 1.672
## 15: I THINK IT BEST 4.296
## 16:     nice 1.500
## 17:     I FEEL GOOD 113.813
## 18: slightly better 30.816
## 19:     yes 6.452

```

## 20:	better	2.313
## 21:	NATHING	2.153
## 22:	i	103.379
## 23:	2	10.970
## 24:	I KNOW	4.770
## 25:	nice	1.441
## 26:	None	62.439
## 27:	2	80.094
##	Self_Reflect_Q1 Self_Reflect_Phase1_First_ClickTime	
##	Self_Reflect_Phase1_Last_ClickTime Self_Reflect_Phase1_SubmitTime	
## 1:	32.921	94.77
## 2:	115.950	123.31
## 3:	261.440	275.03
## 4:	114.523	118.52
## 5:	99.299	103.34
## 6:	74.603	141.42
## 7:	98.258	240.02
## 8:	235.852	240.02
## 9:	76.641	138.92
## 10:	174.694	411.72
## 11:	471.415	480.02
## 12:	22.485	240.01
## 13:	174.503	199.02
## 14:	6.711	117.71
## 15:	87.095	91.82
## 16:	10.201	240.02
## 17:	215.650	240.18
## 18:	54.408	104.10
## 19:	76.162	241.97
## 20:	32.168	240.02
## 21:	10.005	96.10
## 22:	103.379	241.82
## 23:	90.351	94.42
## 24:	13.898	120.60
## 25:	4.829	240.04
## 26:	69.780	101.46
## 27:	97.726	114.13
##	Self_Reflect_Phase1_Last_ClickTime Self_Reflect_Phase1_SubmitTime	
##	Self_Reflect_Phase1_NumClicks	
## 1:	3	
## 2:	5	
## 3:	9	
## 4:	8	
## 5:	5	
## 6:	10	
## 7:	23	
## 8:	2	
## 9:	8	
## 10:	10	
## 11:	9	
## 12:	3	
## 13:	16	
## 14:	2	
## 15:	11	

```

## 16:          4
## 17:          9
## 18:          3
## 19:         20
## 20:         10
## 21:          5
## 22:          1
## 23:          9
## 24:          2
## 25:          2
## 26:          2
## 27:          5
##      Self_Reflect_Phase1_NumClicks
##
## 1:      Image 15Correct diagnosis: Normal\nYou chose: ${q://QID22/ChoiceGroup/SelectedChoices}\n
## 2:      Image 11Correct diagnosis: Pneumonia\nYou chose: ${q://QID8/ChoiceGroup/SelectedChoices}\n
## 3:      Image 12Correct diagnosis: Normal\nYou chose: ${q://QID9/ChoiceGroup/SelectedChoices}\n
## 4:      Image 13Correct diagnosis: PneumoniaYou chose: ${q://QID10/ChoiceGroup/SelectedChoices}\n
## 5:      Image 15Correct diagnosis: Normal\nYou chose: ${q://QID22/ChoiceGroup/SelectedChoices}\n
## 6:
## 7:
## 8:      Image 11Correct diagnosis: Pneumonia\nYou chose: ${q://QID8/ChoiceGroup/SelectedChoices}\n
## 9:      Image 13Correct diagnosis: PneumoniaYou chose: ${q://QID10/ChoiceGroup/SelectedChoices}\n
## 10:      Image 12Correct diagnosis: Normal\nYou chose: ${q://QID9/ChoiceGroup/SelectedChoices}\n
## 11:      Image 13Correct diagnosis: PneumoniaYou chose: ${q://QID10/ChoiceGroup/SelectedChoices}\n
## 12:      Image 12Correct diagnosis: Normal\nYou chose: ${q://QID9/ChoiceGroup/SelectedChoices}\n
## 13:      Image 11Correct diagnosis: Pneumonia\nYou chose: ${q://QID8/ChoiceGroup/SelectedChoices}\n
## 14:      Image 20Correct diagnosis: Normal\nYou chose: ${q://QID27/ChoiceGroup/SelectedChoices}\n
## 15:
## 16:      Image 20Correct diagnosis: Normal\nYou chose: ${q://QID27/ChoiceGroup/SelectedChoices}\n
## 17:
## 18:
## 19:      Image 11Correct diagnosis: Pneumonia\nYou chose: ${q://QID8/ChoiceGroup/SelectedChoices}\n
## 20:      Image 19Correct diagnosis: PneumoniaYou chose: ${q://QID26/ChoiceGroup/SelectedChoices}\n
## 21:      Image 19Correct diagnosis: PneumoniaYou chose: ${q://QID26/ChoiceGroup/SelectedChoices}\n
## 22:
## 23:      Image 17Correct diagnosis: Pneumonia\nYou chose: ${q://QID24/ChoiceGroup/SelectedChoices}\n
## 24:      Image 12Correct diagnosis: Normal\nYou chose: ${q://QID9/ChoiceGroup/SelectedChoices}\n
## 25:      Image 11Correct diagnosis: Pneumonia\nYou chose: ${q://QID8/ChoiceGroup/SelectedChoices}\n
## 26:
## 27:      Image 12Correct diagnosis: Normal\nYou chose: ${q://QID9/ChoiceGroup/SelectedChoices}\n
##
##      Self_Reflect_Q2 Self_Reflect_Phase2_First_ClickTime
## 1:          yes          19.539
## 2:          6 IMAGE BETTER      4.373
## 3:          HEALTH          2.472
## 4:          fine           7.840
## 5:          HEALTH          1.762
## 6:          yes          20.420
## 7:          nothing        7.524
## 8:          HEALTH        11.369
## 9:          NOTHING        5.702
## 10:         nothing        1.548
## 11:         HEALTH         4.197

```

## 12:	normal health	4.958
## 13:	6	4.305
## 14:	nathing	2.514
## 15:	PERFORMED BEST	21.737
## 16:	nice	1.774
## 17:	GOOD	157.755
## 18:	much better	46.349
## 19:	yes	2.047
## 20:	nice	5.793
## 21:	NATHING	1.185
## 22:	I KNOW THE BETTER ANSWER	9.010
## 23:	17	3.462
## 24:	I KNOW	5.786
## 25:	slightly better	15.647
## 26:	none	12.865
## 27:	12	20.881
##	Self_Reflect_Q2 Self_Reflect_Phase2_First_ClickTime	
##	Self_Reflect_Phase2_Last_ClickTime Self_Reflect_Phase2_SubmitTime	
## 1:	31.800	92.71
## 2:	39.793	93.32
## 3:	8.169	115.56
## 4:	81.033	92.19
## 5:	7.569	120.11
## 6:	20.420	126.67
## 7:	7.524	110.78
## 8:	89.551	240.01
## 9:	12.823	240.01
## 10:	5.807	108.93
## 11:	9.066	240.01
## 12:	25.268	240.11
## 13:	33.145	106.94
## 14:	8.787	91.16
## 15:	21.737	92.03
## 16:	346.405	480.16
## 17:	172.467	180.02
## 18:	79.827	91.40
## 19:	6.046	98.71
## 20:	249.101	480.11
## 21:	7.346	124.44
## 22:	9.010	93.99
## 23:	29.088	93.13
## 24:	11.300	94.94
## 25:	18.373	155.42
## 26:	80.123	94.92
## 27:	33.864	107.89
##	Self_Reflect_Phase2_Last_ClickTime Self_Reflect_Phase2_SubmitTime	
##	Self_Reflect_Phase2_NumClicks Q38 Medical_Feedback_Phase1_First_ClickTime	
## 1:	2	NA
## 2:	3	NA
## 3:	2	NA
## 4:	9	NA
## 5:	3	NA
## 6:	1	NA
## 7:	1	NA

## 8:	6	NA
## 9:	3	NA
## 10:	2	NA
## 11:	2	NA
## 12:	3	NA
## 13:	4	NA
## 14:	5	NA
## 15:	1	NA
## 16:	15	NA
## 17:	3	NA
## 18:	2	NA
## 19:	2	NA
## 20:	8	NA
## 21:	6	NA
## 22:	1	NA
## 23:	5	NA
## 24:	2	NA
## 25:	2	NA
## 26:	15	NA
## 27:	6	NA
##	Self_Reflect_Phase2_NumClicks Q38	Medical_Feedback_Phase1_First_ClickTime
##	Medical_Feedback_Phase1_Last_ClickTime	Medical_Feedback_Phase1_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Medical_Feedback_Phase1_Last_ClickTime	Medical_Feedback_Phase1_SubmitTime
##	Medical_Feedback_Phase1_NumClicks Q43	
## 1:	NA	
## 2:	NA	
## 3:	NA	



## 4:	NA
## 5:	NA
## 6:	NA
## 7:	NA
## 8:	NA
## 9:	NA
## 10:	NA
## 11:	NA
## 12:	NA
## 13:	NA
## 14:	NA
## 15:	NA
## 16:	NA
## 17:	NA
## 18:	NA
## 19:	NA
## 20:	NA
## 21:	NA
## 22:	NA
## 23:	NA
## 24:	NA
## 25:	NA
## 26:	NA
## 27:	NA
##	Medical_Feedback_Phase1_NumClicks Q43
##	Medical_Feedback_Phase2_First_ClickTime
## 1:	NA
## 2:	NA
## 3:	NA
## 4:	NA
## 5:	NA
## 6:	NA
## 7:	NA
## 8:	NA
## 9:	NA
## 10:	NA
## 11:	NA
## 12:	NA
## 13:	NA
## 14:	NA
## 15:	NA
## 16:	NA
## 17:	NA
## 18:	NA
## 19:	NA
## 20:	NA
## 21:	NA
## 22:	NA
## 23:	NA
## 24:	NA
## 25:	NA
## 26:	NA
## 27:	NA
##	Medical_Feedback_Phase2_First_ClickTime

##	Medical_Feedback_Phase2_Last_ClickTime	Medical_Feedback_Phase2_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Medical_Feedback_Phase2_Last_ClickTime	Medical_Feedback_Phase2_SubmitTime
##	Medical_Feedback_Phase2_NumClicks	Q45
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA

## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Medical_Feedback_Phase2_NumClicks Q45	
##	Positive_Images_Phase1_First_ClickTime	
## 1:	NA	
## 2:	NA	
## 3:	NA	
## 4:	NA	
## 5:	NA	
## 6:	NA	
## 7:	NA	
## 8:	NA	
## 9:	NA	
## 10:	NA	
## 11:	NA	
## 12:	NA	
## 13:	NA	
## 14:	NA	
## 15:	NA	
## 16:	NA	
## 17:	NA	
## 18:	NA	
## 19:	NA	
## 20:	NA	
## 21:	NA	
## 22:	NA	
## 23:	NA	
## 24:	NA	
## 25:	NA	
## 26:	NA	
## 27:	NA	
##	Positive_Images_Phase1_First_ClickTime	
##	Positive_Images_Phase1_Last_ClickTime Positive_Images_Phase1_SubmitTime	
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA

## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Positive_Images_Phase1_Last_ClickTime	Positive_Images_Phase1_SubmitTime
##	Positive_Images_Phase1_NumClicks	Q47 Positive_Images_Phase2_First_ClickTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Positive_Images_Phase1_NumClicks	Q47 Positive_Images_Phase2_First_ClickTime
##	Positive_Images_Phase2_Last_ClickTime	Positive_Images_Phase2_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA

## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Positive_Images_Phase2_Last_ClickTime	Positive_Images_Phase2_SubmitTime
##	Positive_Images_Phase2_NumClicks	Q46 Negative_Images_Phase1_First_ClickTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Positive_Images_Phase2_NumClicks	Q46 Negative_Images_Phase1_First_ClickTime
##	Negative_Images_Phase1_Last_ClickTime	Negative_Images_Phase1_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA

## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Negative_Images_Phase1_Last_ClickTime	Negative_Images_Phase1_SubmitTime
##	Negative_Images_Phase1_NumClicks Q48	Negative_Images_Phase2_First_ClickTime
## 1:	NA NA	NA
## 2:	NA NA	NA
## 3:	NA NA	NA
## 4:	NA NA	NA
## 5:	NA NA	NA
## 6:	NA NA	NA
## 7:	NA NA	NA
## 8:	NA NA	NA
## 9:	NA NA	NA
## 10:	NA NA	NA
## 11:	NA NA	NA
## 12:	NA NA	NA
## 13:	NA NA	NA
## 14:	NA NA	NA
## 15:	NA NA	NA
## 16:	NA NA	NA
## 17:	NA NA	NA
## 18:	NA NA	NA
## 19:	NA NA	NA
## 20:	NA NA	NA
## 21:	NA NA	NA
## 22:	NA NA	NA
## 23:	NA NA	NA
## 24:	NA NA	NA
## 25:	NA NA	NA
## 26:	NA NA	NA
## 27:	NA NA	NA
##	Negative_Images_Phase1_NumClicks Q48	Negative_Images_Phase2_First_ClickTime
##	Negative_Images_Phase2_Last_ClickTime	Negative_Images_Phase2_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA

## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
## 21:	NA	NA
## 22:	NA	NA
## 23:	NA	NA
## 24:	NA	NA
## 25:	NA	NA
## 26:	NA	NA
## 27:	NA	NA
##	Negative_Images_Phase2_Last_ClickTime	Negative_Images_Phase2_SubmitTime
##	Negative_Images_Phase2_NumClicks	Total_Score Random ID Assignment Q1_Score
## 1:	NA	17 53567 FL_14 0
## 2:	NA	12 56320 FL_14 1
## 3:	NA	20 87810 FL_14 1
## 4:	NA	11 20006 FL_14 0
## 5:	NA	12 44921 FL_14 1
## 6:	NA	13 39870 FL_14 0
## 7:	NA	21 85552 FL_14 0
## 8:	NA	14 72888 FL_14 1
## 9:	NA	15 59016 FL_14 1
## 10:	NA	15 35298 FL_14 1
## 11:	NA	16 25394 FL_14 1
## 12:	NA	16 38904 FL_14 1
## 13:	NA	18 51210 FL_14 1
## 14:	NA	14 61846 FL_14 1
## 15:	NA	17 78212 FL_14 0
## 16:	NA	13 44153 FL_14 1
## 17:	NA	19 59171 FL_14 1
## 18:	NA	22 30644 FL_14 0
## 19:	NA	19 92040 FL_14 1
## 20:	NA	13 83276 FL_14 1
## 21:	NA	10 66911 FL_14 1
## 22:	NA	15 52160 FL_14 1
## 23:	NA	11 20254 FL_14 0
## 24:	NA	16 75516 FL_14 1
## 25:	NA	18 62037 FL_14 1
## 26:	NA	17 20214 FL_14 0
## 27:	NA	17 46274 FL_14 1
##	Negative_Images_Phase2_NumClicks	Total_Score Random ID Assignment Q1_Score
##	Q2_Score Q3_Score Q4_Score Q5_Score Q6_Score Q7_Score Q8_Score Q9_Score	
## 1:	0	0 1 0 0 1 0 1
## 2:	0	0 1 1 1 0 1 0
## 3:	1	0 0 1 0 1 1 1
## 4:	0	0 0 0 0 0 0 1

## 5:	0	0	0	0	0	0	1	0
## 6:	1	1	0	1	0	0	1	0
## 7:	1	1	0	1	1	1	1	1
## 8:	0	0	0	0	1	1	1	1
## 9:	1	0	0	1	1	0	1	0
## 10:	0	0	1	1	1	0	0	0
## 11:	0	1	1	0	1	1	1	1
## 12:	1	0	1	0	1	0	0	0
## 13:	1	1	1	0	1	1	0	1
## 14:	1	0	0	1	0	0	1	0
## 15:	0	1	0	0	0	0	1	1
## 16:	0	0	0	1	0	0	0	1
## 17:	0	1	0	1	1	1	1	1
## 18:	1	1	1	0	1	0	0	1
## 19:	1	1	1	1	1	1	1	0
## 20:	1	0	0	1	0	0	0	0
## 21:	1	0	1	1	1	0	0	0
## 22:	1	0	1	0	0	1	1	1
## 23:	0	0	0	0	0	0	1	1
## 24:	0	1	0	1	0	1	0	1
## 25:	1	1	0	0	0	1	1	1
## 26:	0	1	0	1	0	1	1	0
## 27:	1	0	1	0	1	0	1	0
##	Q2_Score	Q3_Score	Q4_Score	Q5_Score	Q6_Score	Q7_Score	Q8_Score	Q9_Score
##	Q10_Score	Q11_Score	Q12_Score	Q13_Score	Q14_Score	Q15_Score	Q16_Score	
## 1:	0	0	1	0	0	1	1	
## 2:	0	0	0	0	0	0	1	
## 3:	1	0	0	0	0	1	0	
## 4:	1	1	0	0	1	0	0	
## 5:	1	0	0	0	0	1	1	
## 6:	1	0	1	0	0	1	0	
## 7:	1	1	0	0	1	1	1	
## 8:	1	0	1	0	1	0	1	
## 9:	1	0	1	0	0	0	1	
## 10:	0	0	0	0	0	0	1	
## 11:	0	0	0	0	0	0	1	
## 12:	0	0	1	0	1	1	0	
## 13:	0	1	1	0	1	0	0	
## 14:	1	1	1	0	1	1	1	
## 15:	0	1	1	0	1	1	1	
## 16:	1	0	1	0	0	0	1	
## 17:	0	1	0	0	1	0	1	
## 18:	0	0	1	0	1	1	1	
## 19:	1	0	0	0	0	1	1	
## 20:	1	0	1	0	0	1	0	
## 21:	0	0	0	0	1	1	0	
## 22:	0	1	1	0	0	0	1	
## 23:	0	0	1	0	1	1	1	
## 24:	0	1	1	0	1	1	1	
## 25:	1	1	0	0	1	0	0	
## 26:	1	1	1	0	1	1	1	
## 27:	1	0	1	0	1	1	1	
##	Q10_Score	Q11_Score	Q12_Score	Q13_Score	Q14_Score	Q15_Score	Q16_Score	
##	Q17_Score	Q18_Score	Q19_Score	Q20_Score	Q21_Score	Q22_Score	Q23_Score	



## 1:	1	1	1	0	1	1	1
## 2:	1	1	0	1	1	1	0
## 3:	1	1	1	1	1	1	0
## 4:	1	0	0	0	1	1	1
## 5:	0	1	0	1	1	1	0
## 6:	0	1	0	0	1	0	0
## 7:	1	0	1	0	0	1	1
## 8:	1	1	0	1	1	0	0
## 9:	0	1	0	1	1	1	1
## 10:	1	1	1	1	0	1	1
## 11:	0	0	1	1	1	0	0
## 12:	0	1	1	1	1	0	0
## 13:	1	0	1	0	0	0	0
## 14:	0	0	0	0	1	0	0
## 15:	0	0	0	0	1	1	1
## 16:	0	1	0	1	1	1	0
## 17:	1	0	1	0	0	0	1
## 18:	1	1	1	0	1	1	1
## 19:	0	0	0	1	1	1	0
## 20:	0	1	0	1	1	1	0
## 21:	0	0	0	0	1	0	0
## 22:	1	1	1	1	0	0	0
## 23:	0	0	0	1	1	1	0
## 24:	0	1	0	0	0	1	1
## 25:	1	0	1	0	1	0	1
## 26:	1	0	1	0	0	0	1
## 27:	1	0	0	1	1	1	0
##	Q17_Score	Q18_Score	Q19_Score	Q20_Score	Q21_Score	Q22_Score	Q23_Score
##	Q24_Score	Q25_Score	Q26_Score	Q27_Score	Q28_Score	Q29_Score	Q30_Score
## 1:	1	1	1	0	0	1	1
## 2:	0	0	0	0	0	0	1
## 3:	1	1	0	0	1	1	1
## 4:	0	0	0	0	0	1	1
## 5:	1	0	0	0	0	1	1
## 6:	1	0	1	0	0	1	1
## 7:	0	1	1	1	1	0	0
## 8:	0	0	0	1	0	0	0
## 9:	1	0	0	0	0	0	1
## 10:	1	1	0	1	0	0	1
## 11:	0	0	1	1	1	1	1
## 12:	1	1	0	1	0	0	1
## 13:	0	1	1	1	1	0	1
## 14:	0	0	1	0	1	1	0
## 15:	1	1	0	0	1	1	1
## 16:	0	0	0	0	0	1	1
## 17:	1	1	1	0	1	0	1
## 18:	0	1	1	1	1	1	1
## 19:	1	1	0	0	0	1	1
## 20:	1	0	0	0	0	0	1
## 21:	0	0	0	1	0	0	1
## 22:	0	0	0	1	0	0	0
## 23:	1	0	0	0	0	1	0
## 24:	0	0	1	0	1	1	0
## 25:	0	1	1	1	1	0	0

## 26:	1	1	0	0	1	0	1
## 27:	1	0	1	0	0	0	1
##	Q24_Score	Q25_Score	Q26_Score	Q27_Score	Q28_Score	Q29_Score	Q30_Score
##	Assignment_Group	TaskPhase1_Score	TaskPhase2_Score	TaskPhase3_Score			
## 1:	Self-Reflect	0.3	0.6	0.8			
## 2:	Self-Reflect	0.5	0.4	0.3			
## 3:	Self-Reflect	0.7	0.5	0.7			
## 4:	Self-Reflect	0.2	0.3	0.5			
## 5:	Self-Reflect	0.3	0.4	0.5			
## 6:	Self-Reflect	0.5	0.3	0.5			
## 7:	Self-Reflect	0.8	0.6	0.6			
## 8:	Self-Reflect	0.6	0.6	0.2			
## 9:	Self-Reflect	0.6	0.4	0.5			
## 10:	Self-Reflect	0.4	0.5	0.6			
## 11:	Self-Reflect	0.7	0.3	0.6			
## 12:	Self-Reflect	0.4	0.6	0.5			
## 13:	Self-Reflect	0.7	0.5	0.5			
## 14:	Self-Reflect	0.5	0.5	0.4			
## 15:	Self-Reflect	0.3	0.5	0.8			
## 16:	Self-Reflect	0.4	0.4	0.4			
## 17:	Self-Reflect	0.7	0.5	0.6			
## 18:	Self-Reflect	0.5	0.7	0.9			
## 19:	Self-Reflect	0.9	0.3	0.6			
## 20:	Self-Reflect	0.4	0.4	0.4			
## 21:	Self-Reflect	0.5	0.2	0.3			
## 22:	Self-Reflect	0.6	0.7	0.1			
## 23:	Self-Reflect	0.2	0.5	0.4			
## 24:	Self-Reflect	0.5	0.6	0.5			
## 25:	Self-Reflect	0.7	0.4	0.6			
## 26:	Self-Reflect	0.5	0.7	0.5			
## 27:	Self-Reflect	0.6	0.6	0.5			
##	Assignment_Group	TaskPhase1_Score	TaskPhase2_Score	TaskPhase3_Score			
##	houzenumber	street	city	county			
## 1:	12-02	Plaza Road	Fair Lawn	United States			
## 2:	312	Mint Street	Chennai	India			
## 3:	312	Mint Street	Chennai	India			
## 4:	312	Mint Street	Chennai	United States			
## 5:	103	Pinata Court	Kissimmee	United States			
## 6:	1711	Clubhouse Road	Reston	United States			
## 7:	312	Mint Street	Chennai	India			
## 8:	312	Mint Street	Chennai	India			
## 9:	312	Mint Street	Chennai	India			
## 10:	312	Mint Street	Chennai	India			
## 11:	312	Mint Street	Chennai	India			
## 12:	312	Mint Street	Chennai	India			
## 13:	312	Unnamed Road	Nagercoil	United States			
## 14:	312	Mint Street	Chennai	India			
## 15:	509	24th Street	Colorado Springs	United States			
## 16:	227	North Spring Street	Los Angeles	United States			
## 17:	227	North Spring Street	Los Angeles	United States			
## 18:	227	1st Street	Tiruppur	India			
## 19:	312	Mint Street	Chennai	India			
## 20:	227	North Spring Street	Los Angeles	United States			
## 21:	312	Mint Street	Chennai	India			

## 22:	227	North Spring Street	Los Angeles United States
## 23:	227	North Spring Street	Los Angeles United States
## 24:	227	North Spring Street	Los Angeles United States
## 25:	227	North Spring Street	Los Angeles United States
## 26:	17001	Kieth Harrow Boulevard	Houston United States
## 27:	227	North Spring Street	Los Angeles United States
##	houzenumber	street	city county
##	state	zip	country age_bin edu_bin assign_bin US_Dummy
## 1:	New Jersey	07410	United States 4 2 5 1
## 2:	Tamil Nadu	600003	India 3 2 5 0
## 3:	Tamil Nadu	600003	India 3 2 5 0
## 4:	Kansas	600003	United States 4 2 5 1
## 5:	Florida	34743	United States 4 2 5 1
## 6:	Virginia	20190	United States 2 2 5 1
## 7:	Tamil Nadu	600003	India 2 2 5 0
## 8:	Tamil Nadu	600003	India 3 2 5 0
## 9:	Tamil Nadu	600003	India 2 2 5 0
## 10:	Tamil Nadu	600003	India 2 2 5 0
## 11:	Tamil Nadu	600003	India 3 2 5 0
## 12:	Tamil Nadu	600003	India 3 2 5 0
## 13:	Kansas	629001	United States 2 2 5 1
## 14:	Tamil Nadu	600003	India 2 2 5 0
## 15:	Colorado	80904	United States 2 2 5 1
## 16:	California	90012	United States 4 2 5 1
## 17:	California	90012	United States 4 2 5 1
## 18:	Tamil Nadu	641607	India 2 2 5 0
## 19:	Tamil Nadu	600003	India 2 2 5 0
## 20:	California	90012	United States 5 2 5 1
## 21:	Tamil Nadu	600003	India 2 2 5 0
## 22:	California	90012	United States 4 4 5 1
## 23:	California	90012	United States 5 2 5 1
## 24:	California	90012	United States 4 4 5 1
## 25:	California	90012	United States 5 1 5 1
## 26:	Texas	77084	United States 2 2 5 1
## 27:	California	90012	United States 4 2 5 1
##	state	zip	country age_bin edu_bin assign_bin US_Dummy
##	Male_Dummy	Treatment_Dummy	Self_Reflect_Dummy Med_Feedback_Dummy
## 1:	1	1	1 0
## 2:	1	1	1 0
## 3:	1	1	1 0
## 4:	0	1	1 0
## 5:	1	1	1 0
## 6:	1	1	1 0
## 7:	0	1	1 0
## 8:	1	1	1 0
## 9:	1	1	1 0
## 10:	1	1	1 0
## 11:	1	1	1 0
## 12:	1	1	1 0
## 13:	0	1	1 0
## 14:	0	1	1 0
## 15:	1	1	1 0
## 16:	1	1	1 0
## 17:	0	1	1 0

## 18:	1	1	1	0
## 19:	1	1	1	0
## 20:	1	1	1	0
## 21:	0	1	1	0
## 22:	0	1	1	0
## 23:	0	1	1	0
## 24:	1	1	1	0
## 25:	0	1	1	0
## 26:	1	1	1	0
## 27:	1	1	1	0
##	Male_Dummy	Treatment_Dummy	Self_Reflect_Dummy	Med_Feedback_Dummy
##	Positive_Images_Dummy	Negative_Images_Dummy	Self_Reflect_Q1_NumWords	
## 1:	0		0	1
## 2:	0		0	2
## 3:	0		0	1
## 4:	0		0	1
## 5:	0		0	1
## 6:	0		0	1
## 7:	0		0	1
## 8:	0		0	1
## 9:	0		0	1
## 10:	0		0	1
## 11:	0		0	1
## 12:	0		0	1
## 13:	0		0	1
## 14:	0		0	1
## 15:	0		0	4
## 16:	0		0	1
## 17:	0		0	3
## 18:	0		0	2
## 19:	0		0	1
## 20:	0		0	1
## 21:	0		0	1
## 22:	0		0	1
## 23:	0		0	1
## 24:	0		0	2
## 25:	0		0	1
## 26:	0		0	1
## 27:	0		0	1
##	Positive_Images_Dummy	Negative_Images_Dummy	Self_Reflect_Q1_NumWords	
##	Self_Reflect_Q2_NumWords			
## 1:	1			
## 2:	3			
## 3:	1			
## 4:	1			
## 5:	1			
## 6:	1			
## 7:	1			
## 8:	1			
## 9:	1			
## 10:	1			
## 11:	1			
## 12:	2			
## 13:	1			

```

## 14: 1
## 15: 2
## 16: 1
## 17: 1
## 18: 2
## 19: 1
## 20: 1
## 21: 1
## 22: 5
## 23: 1
## 24: 2
## 25: 2
## 26: 1
## 27: 1
## Self_Reflect_Q2_NumWords

d_respondents[ Assignment_Group == "Control",
               Control_Phase1_NumWords := sapply(strsplit(Control_Q1, " "), length)]

d_respondents[ Assignment_Group == "Control",
               Control_Phase2_NumWords := sapply(strsplit(Control_Q2, " "), length)]

d_respondents[ Assignment_Group == "Control", Control_Phase1_NumWords]

## [1] 31 13 5 5 15 3 1 3 5 2 2 11 3 7 11 17 2 2 33 2 12 12 6 17 4
## [26] 5 1 13 6 5 9 15 11 1 5 11 11 16 15 3 28 6 5 2 25 15 8 4 23 6
## [51] 27 4 5 2 14 8 9 6 2 19 2 12 38 9 27 26 34 16 2

d_respondents[ Assignment_Group == "Control", Control_Phase2_NumWords]

## [1] 24 14 1 5 19 4 4 2 6 1 2 13 1 1 5 16 2 1 33 1 11 11 9 12 5
## [26] 6 1 4 3 5 15 12 9 1 4 5 19 17 20 6 32 12 6 2 16 18 13 8 33 6
## [51] 22 3 3 2 16 2 4 5 1 15 6 14 25 51 21 27 21 18 1

# some noncompliant responses for control Q1...assume noncompliant responses have less than 5 words
d_respondents[d_respondents[, Control_Phase1_NumWords < 5]]

##          StartDate      EndDate      Status      IPAddress Progress
## 1: 2020-11-09 20:48:35 2020-11-09 20:55:02 IP Address 98.156.202.244 100
## 2: 2020-11-09 20:49:47 2020-11-09 20:55:09 IP Address 209.161.84.74 100
## 3: 2020-11-09 20:48:31 2020-11-09 20:55:37 IP Address 142.196.45.200 100
## 4: 2020-11-09 20:47:27 2020-11-09 20:56:12 IP Address 122.174.250.243 100
## 5: 2020-11-09 20:48:28 2020-11-09 20:56:18 IP Address 196.17.66.57 100
## 6: 2020-11-09 20:49:28 2020-11-09 20:56:38 IP Address 27.57.13.208 100
## 7: 2020-11-09 20:49:47 2020-11-09 20:58:06 IP Address 122.164.55.209 100
## 8: 2020-11-09 20:50:47 2020-11-09 20:58:22 IP Address 122.164.202.95 100
## 9: 2020-11-09 20:51:34 2020-11-09 20:59:57 IP Address 47.152.51.207 100
## 10: 2020-11-09 20:57:56 2020-11-09 21:02:23 IP Address 122.174.151.139 100
## 11: 2020-11-09 20:48:35 2020-11-09 21:02:39 IP Address 157.46.102.146 100
## 12: 2020-11-09 20:52:36 2020-11-09 21:07:11 IP Address 157.51.78.29 100
## 13: 2020-11-09 20:52:35 2020-11-09 21:10:06 IP Address 122.183.167.126 100
## 14: 2020-11-09 21:03:37 2020-11-09 21:11:05 IP Address 98.167.34.134 100
## 15: 2020-11-09 21:08:57 2020-11-09 21:14:38 IP Address 68.173.94.179 100
## 16: 2020-11-09 21:17:42 2020-11-09 21:23:58 IP Address 196.17.65.121 100
## 17: 2020-11-09 21:24:22 2020-11-09 21:29:03 IP Address 196.17.65.138 100

```

## 18:	2020-11-09 21:24:15	2020-11-09 21:36:50	IP Address	196.17.65.223	100
## 19:	2020-11-12 17:51:27	2020-11-12 17:57:12	IP Address	209.161.87.14	100
## 20:	2020-11-12 20:55:05	2020-11-12 21:00:27	IP Address	196.17.65.243	100
##	Survey_Duration	Finished	RecordedDate	ResponseId	
## 1:	386	TRUE	2020-11-09 20:55:02	R_2XjMJgoofEcDbU1	
## 2:	321	TRUE	2020-11-09 20:55:09	R_1gcIa0uhboILACk	
## 3:	426	TRUE	2020-11-09 20:55:38	R_bNHezdAAjPBerUR	
## 4:	524	TRUE	2020-11-09 20:56:12	R_2CxOP7btUAYd6dt	
## 5:	469	TRUE	2020-11-09 20:56:18	R_2SH7ZeMJ5sQMTpQ	
## 6:	429	TRUE	2020-11-09 20:56:38	R_PLgQnDuE2wDMALf	
## 7:	499	TRUE	2020-11-09 20:58:06	R_ResKlqpqTLyXn4CR	
## 8:	454	TRUE	2020-11-09 20:58:22	R_2q4px8MU5vpdopw	
## 9:	502	TRUE	2020-11-09 20:59:57	R_1hX8RooK2JnPmfX	
## 10:	266	TRUE	2020-11-09 21:02:23	R_elf7SYl1dTOMnn3	
## 11:	844	TRUE	2020-11-09 21:02:40	R_YW6P5qRdhgNU3Xb	
## 12:	874	TRUE	2020-11-09 21:07:12	R_1omRpz0JtAUQxPV	
## 13:	1051	TRUE	2020-11-09 21:10:07	R_3HRjYrs300i2cuL	
## 14:	448	TRUE	2020-11-09 21:11:05	R_2TS08HmW0tsTA89	
## 15:	341	TRUE	2020-11-09 21:14:39	R_1gdPkjbtH8Y4LGJ	
## 16:	376	TRUE	2020-11-09 21:23:59	R_6hU3oRBQBvJN237	
## 17:	280	TRUE	2020-11-09 21:29:04	R_2vewmj4nDkv810Y	
## 18:	755	TRUE	2020-11-09 21:36:50	R_2BtFxaVYFChnsJh	
## 19:	345	TRUE	2020-11-12 17:57:13	R_3qDlr3Tq7S8NdLB	
## 20:	322	TRUE	2020-11-12 21:00:27	R_296Rk3p09knTrX1	
##	RecipientLastName	RecipientFirstName	RecipientEmail	ExternalReference	
## 1:	NA	NA	NA	NA	
## 2:	NA	NA	NA	NA	
## 3:	NA	NA	NA	NA	
## 4:	NA	NA	NA	NA	
## 5:	NA	NA	NA	NA	
## 6:	NA	NA	NA	NA	
## 7:	NA	NA	NA	NA	
## 8:	NA	NA	NA	NA	
## 9:	NA	NA	NA	NA	
## 10:	NA	NA	NA	NA	
## 11:	NA	NA	NA	NA	
## 12:	NA	NA	NA	NA	
## 13:	NA	NA	NA	NA	
## 14:	NA	NA	NA	NA	
## 15:	NA	NA	NA	NA	
## 16:	NA	NA	NA	NA	
## 17:	NA	NA	NA	NA	
## 18:	NA	NA	NA	NA	
## 19:	NA	NA	NA	NA	
## 20:	NA	NA	NA	NA	
##	LocationLatitude	LocationLongitude	DistributionChannel	UserLanguage	
## 1:	32.90	-96.79	anonymous	EN	
## 2:	37.75	-97.82	anonymous	EN	
## 3:	28.39	-81.42	anonymous	EN	
## 4:	13.09	80.28	anonymous	EN	
## 5:	34.05	-118.24	anonymous	EN	
## 6:	13.09	80.28	anonymous	EN	
## 7:	13.09	80.28	anonymous	EN	
## 8:	13.09	80.28	anonymous	EN	

## 9:	34.12	-117.44	anonymous	EN
## 10:	13.09	80.28	anonymous	EN
## 11:	13.09	80.28	anonymous	EN
## 12:	13.09	80.28	anonymous	EN
## 13:	13.09	80.28	anonymous	EN
## 14:	35.99	-115.12	anonymous	EN
## 15:	40.77	-73.83	anonymous	EN
## 16:	34.05	-118.24	anonymous	EN
## 17:	34.05	-118.24	anonymous	EN
## 18:	34.05	-118.24	anonymous	EN
## 19:	37.75	-97.82	anonymous	EN
## 20:	34.05	-118.24	anonymous	EN

##	Amazon_Turk_ID	Gender	Q82_3_TEXT	Age_Range	Education_Level
## 1:	A2PS60EHBKAUA	Male	NA	35-44	Bachelor's degree
## 2:	A3SFQ9S58CJVHE	Female	NA	45-54	Bachelor's degree
## 3:	A33ITFFF5J4GMF	Female	NA	25-34	Bachelor's degree
## 4:	APK5HFZ4GRBBX	Male	NA	35-44	Bachelor's degree
## 5:	A1BIQMZEP659HA	Female	NA	45-54	Bachelor's degree
## 6:	A1DG4ILSULGPK8	Male	NA	35-44	Bachelor's degree
## 7:	AAOE3AXMQDDH1	Female	NA	25-34	Master's degree and above
## 8:	A1NTYZ6IERUPCL	Male	NA	35-44	Bachelor's degree
## 9:	A35AZOPPHXJRTM	Male	NA	25-34	Master's degree and above
## 10:	A1297K7FECN9JJ	Female	NA	25-34	Master's degree and above
## 11:	A3FE33S2NMC46Q	Male	NA	18-24	Bachelor's degree
## 12:	A1NIV2BX0F89GV	Male	NA	18-24	Bachelor's degree
## 13:	A16JX1MOPDCYDN	Male	NA	25-34	Bachelor's degree
## 14:	A2VE2JMOFYIOU	Male	NA	25-34	Master's degree and above
## 15:	A20XZUI4QTOY9B	Female	NA	25-34	Bachelor's degree
## 16:	AIB6E0BN2VXE0	Male	NA	45-54	Master's degree and above
## 17:	AISP1W21TPOH6	Male	NA	45-54	Master's degree and above
## 18:	ADLKIX3SBFREV	Male	NA	55-64	Bachelor's degree
## 19:	A1WUFHQ1YGHK3C	Male	NA	55-64	Bachelor's degree
## 20:	A21XAQYZXTK7ML	Female	NA	55-64	Bachelor's degree

##	Q1	Q2	Q3	Q4	Q5	Q6	Q7
## 1:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Normal
## 2:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 3:	Pneumonia	Normal	Normal	Normal	Pneumonia	Pneumonia	Pneumonia
## 4:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Normal
## 5:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 6:	Normal	Pneumonia	Pneumonia	Normal	Normal	Normal	Normal
## 7:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 8:	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal	Normal
## 9:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 10:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Pneumonia
## 11:	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia	Pneumonia
## 12:	Normal	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 13:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 14:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 15:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Normal
## 16:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 17:	Normal	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia
## 18:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Normal	Normal
## 19:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 20:	Normal	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal

	Q8	Q9	Q10	Control_Q1
## 1:	Pneumonia	Pneumonia	Pneumonia	good and thoughtful
## 2:	Pneumonia	Pneumonia	Pneumonia	emergency
## 3:	Pneumonia	Pneumonia	Normal	health is important
## 4:	Pneumonia	Normal	Pneumonia	SUTTER HEALTH
## 5:	Normal	Pneumonia	Pneumonia	HEALTH ADVERTIDEMENT
## 6:	Normal	Pneumonia	Normal	SUTTER HEALTH NET
## 7:	Pneumonia	Normal	Pneumonia	CAR HOSPITAL
## 8:	Normal	Pneumonia	Pneumonia	SUTTER HEALTH
## 9:	Pneumonia	Pneumonia	Normal	emergency situation
## 10:	Normal	Pneumonia	Normal	NICE QUALITY NICE PLACE
## 11:	Pneumonia	Normal	Pneumonia	nothing
## 12:	Normal	Pneumonia	Normal	NOTHING
## 13:	Pneumonia	Pneumonia	Pneumonia	Checkup the hospit
## 14:	Normal	Pneumonia	Normal	health issue
## 15:	Normal	Pneumonia	Pneumonia	emergency hospital in patient
## 16:	Normal	Pneumonia	Pneumonia	i like it advertisement
## 17:	Normal	Normal	Pneumonia	SUTTER HEALTH
## 18:	Normal	Normal	Normal	sutter health
## 19:	Pneumonia	Pneumonia	Pneumonia	sutter health
## 20:	Normal	Normal	Pneumonia	sutter health
##	Control_Phase1_First_ClickTime	Control_Phase1_Last_ClickTime		
## 1:		12.722		14.77
## 2:		36.299		36.30
## 3:		78.010		78.01
## 4:		10.598		75.60
## 5:		3.853		26.77
## 6:		108.448		108.45
## 7:		101.526		182.07
## 8:		67.401		67.40
## 9:		119.530		119.53
## 10:		32.068		49.68
## 11:		102.574		102.57
## 12:		84.660		182.44
## 13:		128.202		162.13
## 14:		73.585		73.58
## 15:		54.780		54.78
## 16:		10.635		10.63
## 17:		25.045		92.99
## 18:		8.071		95.41
## 19:		63.827		132.99
## 20:		56.171		56.17
##	Control_Phase1_SubmitTime	Control_Phase1_NumClicks	Q11	Q12
## 1:	115.60		3 Pneumonia	Normal
## 2:	90.96		1 Pneumonia	Pneumonia
## 3:	91.94		1 Normal	Pneumonia
## 4:	180.02		5 Normal	Pneumonia
## 5:	90.61		2 Pneumonia	Normal
## 6:	124.82		1 Normal	Normal
## 7:	259.14		7 Normal	Pneumonia
## 8:	180.02		1 Pneumonia	Normal
## 9:	129.07		1 Pneumonia	Pneumonia
## 10:	81.69		2 Normal	Pneumonia
## 11:	180.02		1 Normal	Pneumonia



## 12:	360.11	2	Normal	Pneumonia
## 13:	180.10	7	Pneumonia	Pneumonia
## 14:	84.97	1	Normal	Normal
## 15:	86.14	1	Normal	Pneumonia
## 16:	99.51	1	Pneumonia	Normal
## 17:	96.43	4	Pneumonia	Normal
## 18:	104.32	10	Normal	Normal
## 19:	136.71	6	Pneumonia	Normal
## 20:	90.96	1	Normal	Normal

##	Q13	Q14	Q15	Q16	Q17	Q18	Q19
## 1:	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia
## 2:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 3:	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia
## 4:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 5:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Normal
## 6:	Pneumonia	Normal	Normal	Pneumonia	Normal	Normal	Pneumonia
## 7:	Normal	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	Normal
## 8:	Pneumonia	Normal	Normal	Pneumonia	Pneumonia	Normal	Pneumonia
## 9:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia
## 10:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 11:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 12:	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal
## 13:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 14:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal
## 15:	Pneumonia	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Normal
## 16:	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 17:	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 18:	Normal	Normal	Normal	Normal	Normal	Pneumonia	Normal
## 19:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 20:	Normal	Pneumonia	Normal	Normal	Normal	Pneumonia	Normal

##	Q20	Control_Q2
## 1:	Normal	feels good and lightly
## 2:	Pneumonia	immune system and prevention
## 3:	Normal	prvenar 13
## 4:	Pneumonia	HEALTH
## 5:	Normal	FEELINGS ADVERTISEMENT
## 6:	Normal	COMMERCIAL
## 7:	Normal	HOSPITAL BEACH
## 8:	Normal	COMMERCIAL
## 9:	Normal	entertaining
## 10:	Pneumonia	NICE QUALITY NICE PLACE
## 11:	Normal	nothing
## 12:	Pneumonia	NOTHING
## 13:	Pneumonia	View the celebrating to the hospital.
## 14:	Normal	mind refreshness
## 15:	Normal	the mother in hospital but daughter is marriage
## 16:	Normal	very nice advertisement
## 17:	Normal	PREVNAR 13
## 18:	Normal	marvel-prevner
## 19:	Pneumonia	affecting human feel the our life
## 20:	Normal	MARVEL-PREVNER

##	Control_Phase2_First_ClickTime	Control_Phase2_Last_ClickTime
## 1:	20.163	23.975
## 2:	17.844	82.908

## 3:	68.557	68.717					
## 4:	4.138	4.138					
## 5:	43.431	62.168					
## 6:	7.503	72.846					
## 7:	64.245	67.119					
## 8:	4.783	4.783					
## 9:	50.793	72.886					
## 10:	11.703	22.887					
## 11:	17.554	17.554					
## 12:	72.762	72.762					
## 13:	9.775	62.705					
## 14:	5.610	5.610					
## 15:	22.357	22.357					
## 16:	95.040	95.040					
## 17:	73.154	73.154					
## 18:	7.337	24.696					
## 19:	35.276	35.276					
## 20:	4.445	4.445					
##	Control_Phase2_SubmitTime	Control_Phase2_NumClicks	Q21	Q22			
## 1:	79.02	3	Normal	Pneumonia			
## 2:	86.90	7	Pneumonia	Pneumonia			
## 3:	94.39	2	Pneumonia	Pneumonia			
## 4:	180.02	1	Normal	Pneumonia			
## 5:	75.48	2	Normal	Normal			
## 6:	81.90	2	Normal	Pneumonia			
## 7:	72.42	2	Pneumonia	Normal			
## 8:	180.05	1	Normal	Pneumonia			
## 9:	81.91	2	Normal	Normal			
## 10:	71.23	2	Normal	Pneumonia			
## 11:	253.03	1	Normal	Pneumonia			
## 12:	180.08	1	Normal	Pneumonia			
## 13:	72.27	5	Pneumonia	Pneumonia			
## 14:	77.61	1	Pneumonia	Normal			
## 15:	71.35	1	Normal	Pneumonia			
## 16:	99.72	1	Pneumonia	Pneumonia			
## 17:	90.50	1	Pneumonia	Normal			
## 18:	160.22	5	Normal	Normal			
## 19:	75.79	1	Pneumonia	Pneumonia			
## 20:	77.76	1	Normal	Normal			
##	Q23	Q24	Q25	Q26	Q27	Q28	Q29
## 1:	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal
## 2:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 3:	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia
## 4:	Normal	Pneumonia	Normal	Pneumonia	Normal	Normal	Normal
## 5:	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal
## 6:	Normal	Pneumonia	Normal	Normal	Normal	Normal	Normal
## 7:	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 8:	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 9:	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal
## 10:	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 11:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 12:	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal	Normal
## 13:	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 14:	Normal	Normal	Normal	Pneumonia	Normal	Pneumonia	Pneumonia

## 15:	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 16:	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 17:	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal
## 18:	Normal	Normal	Normal	Pneumonia	Normal	Normal	Normal
## 19:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 20:	Normal	Normal	Normal	Pneumonia	Normal	Normal	Normal
##	Q30	Q36	Self_Reflect_Q1	Self_Reflect_Phase1_First_ClickTime			
## 1:	Normal						NA
## 2:	Pneumonia						NA
## 3:	Normal						NA
## 4:	Pneumonia						NA
## 5:	Normal						NA
## 6:	Normal						NA
## 7:	Pneumonia						NA
## 8:	Normal						NA
## 9:	Pneumonia						NA
## 10:	Normal						NA
## 11:	Pneumonia						NA
## 12:	Normal						NA
## 13:	Pneumonia						NA
## 14:	Pneumonia						NA
## 15:	Normal						NA
## 16:	Pneumonia						NA
## 17:	Pneumonia						NA
## 18:	Normal						NA
## 19:	Pneumonia						NA
## 20:	Normal						NA
##	Self_Reflect_Phase1_Last_ClickTime	Self_Reflect_Phase1_SubmitTime					
## 1:			NA				NA
## 2:			NA				NA
## 3:			NA				NA
## 4:			NA				NA
## 5:			NA				NA
## 6:			NA				NA
## 7:			NA				NA
## 8:			NA				NA
## 9:			NA				NA
## 10:			NA				NA
## 11:			NA				NA
## 12:			NA				NA
## 13:			NA				NA
## 14:			NA				NA
## 15:			NA				NA
## 16:			NA				NA
## 17:			NA				NA
## 18:			NA				NA
## 19:			NA				NA
## 20:			NA				NA
##	Self_Reflect_Phase1_NumClicks	Q41	Self_Reflect_Q2				
## 1:			NA				
## 2:			NA				
## 3:			NA				
## 4:			NA				
## 5:			NA				

## 6:	NA	
## 7:	NA	
## 8:	NA	
## 9:	NA	
## 10:	NA	
## 11:	NA	
## 12:	NA	
## 13:	NA	
## 14:	NA	
## 15:	NA	
## 16:	NA	
## 17:	NA	
## 18:	NA	
## 19:	NA	
## 20:	NA	
##	Self_Reflect_Phase2_First_ClickTime	Self_Reflect_Phase2_Last_ClickTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
##	Self_Reflect_Phase2_SubmitTime	Self_Reflect_Phase2_NumClicks Q38
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA

## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
##	Medical_Feedback_Phase1_First_ClickTime	
## 1:	NA	
## 2:	NA	
## 3:	NA	
## 4:	NA	
## 5:	NA	
## 6:	NA	
## 7:	NA	
## 8:	NA	
## 9:	NA	
## 10:	NA	
## 11:	NA	
## 12:	NA	
## 13:	NA	
## 14:	NA	
## 15:	NA	
## 16:	NA	
## 17:	NA	
## 18:	NA	
## 19:	NA	
## 20:	NA	
##	Medical_Feedback_Phase1_Last_ClickTime	Medical_Feedback_Phase1_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
##	Medical_Feedback_Phase1_NumClicks Q43	
## 1:	NA	
## 2:	NA	
## 3:	NA	
## 4:	NA	
## 5:	NA	
## 6:	NA	
## 7:	NA	
## 8:	NA	

## 9:	NA	
## 10:	NA	
## 11:	NA	
## 12:	NA	
## 13:	NA	
## 14:	NA	
## 15:	NA	
## 16:	NA	
## 17:	NA	
## 18:	NA	
## 19:	NA	
## 20:	NA	
##	Medical_Feedback_Phase2_First_ClickTime	
## 1:	NA	
## 2:	NA	
## 3:	NA	
## 4:	NA	
## 5:	NA	
## 6:	NA	
## 7:	NA	
## 8:	NA	
## 9:	NA	
## 10:	NA	
## 11:	NA	
## 12:	NA	
## 13:	NA	
## 14:	NA	
## 15:	NA	
## 16:	NA	
## 17:	NA	
## 18:	NA	
## 19:	NA	
## 20:	NA	
##	Medical_Feedback_Phase2_Last_ClickTime	Medical_Feedback_Phase2_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA

##	Medical_Feedback_Phase2_NumClicks	Q45
##	1:	NA NA
##	2:	NA NA
##	3:	NA NA
##	4:	NA NA
##	5:	NA NA
##	6:	NA NA
##	7:	NA NA
##	8:	NA NA
##	9:	NA NA
##	10:	NA NA
##	11:	NA NA
##	12:	NA NA
##	13:	NA NA
##	14:	NA NA
##	15:	NA NA
##	16:	NA NA
##	17:	NA NA
##	18:	NA NA
##	19:	NA NA
##	20:	NA NA
##	Positive_Images_Phase1_First_ClickTime	
##	1:	NA
##	2:	NA
##	3:	NA
##	4:	NA
##	5:	NA
##	6:	NA
##	7:	NA
##	8:	NA
##	9:	NA
##	10:	NA
##	11:	NA
##	12:	NA
##	13:	NA
##	14:	NA
##	15:	NA
##	16:	NA
##	17:	NA
##	18:	NA
##	19:	NA
##	20:	NA
##	Positive_Images_Phase1_Last_ClickTime	Positive_Images_Phase1_SubmitTime
##	1:	NA NA
##	2:	NA NA
##	3:	NA NA
##	4:	NA NA
##	5:	NA NA
##	6:	NA NA
##	7:	NA NA
##	8:	NA NA
##	9:	NA NA
##	10:	NA NA
##	11:	NA NA

## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
##	Positive_Images_Phase1_NumClicks Q47	Positive_Images_Phase2_First_ClickTime
## 1:	NA NA	NA
## 2:	NA NA	NA
## 3:	NA NA	NA
## 4:	NA NA	NA
## 5:	NA NA	NA
## 6:	NA NA	NA
## 7:	NA NA	NA
## 8:	NA NA	NA
## 9:	NA NA	NA
## 10:	NA NA	NA
## 11:	NA NA	NA
## 12:	NA NA	NA
## 13:	NA NA	NA
## 14:	NA NA	NA
## 15:	NA NA	NA
## 16:	NA NA	NA
## 17:	NA NA	NA
## 18:	NA NA	NA
## 19:	NA NA	NA
## 20:	NA NA	NA
##	Positive_Images_Phase2_Last_ClickTime	Positive_Images_Phase2_SubmitTime
## 1:	NA	NA
## 2:	NA	NA
## 3:	NA	NA
## 4:	NA	NA
## 5:	NA	NA
## 6:	NA	NA
## 7:	NA	NA
## 8:	NA	NA
## 9:	NA	NA
## 10:	NA	NA
## 11:	NA	NA
## 12:	NA	NA
## 13:	NA	NA
## 14:	NA	NA
## 15:	NA	NA
## 16:	NA	NA
## 17:	NA	NA
## 18:	NA	NA
## 19:	NA	NA
## 20:	NA	NA
##	Positive_Images_Phase2_NumClicks Q46	Negative_Images_Phase1_First_ClickTime
## 1:	NA NA	NA
## 2:	NA NA	NA



## 3:	NA	NA	NA
## 4:	NA	NA	NA
## 5:	NA	NA	NA
## 6:	NA	NA	NA
## 7:	NA	NA	NA
## 8:	NA	NA	NA
## 9:	NA	NA	NA
## 10:	NA	NA	NA
## 11:	NA	NA	NA
## 12:	NA	NA	NA
## 13:	NA	NA	NA
## 14:	NA	NA	NA
## 15:	NA	NA	NA
## 16:	NA	NA	NA
## 17:	NA	NA	NA
## 18:	NA	NA	NA
## 19:	NA	NA	NA
## 20:	NA	NA	NA
##	Negative_Images_Phase1_Last_ClickTime	Negative_Images_Phase1_SubmitTime	
## 1:	NA	NA	
## 2:	NA	NA	
## 3:	NA	NA	
## 4:	NA	NA	
## 5:	NA	NA	
## 6:	NA	NA	
## 7:	NA	NA	
## 8:	NA	NA	
## 9:	NA	NA	
## 10:	NA	NA	
## 11:	NA	NA	
## 12:	NA	NA	
## 13:	NA	NA	
## 14:	NA	NA	
## 15:	NA	NA	
## 16:	NA	NA	
## 17:	NA	NA	
## 18:	NA	NA	
## 19:	NA	NA	
## 20:	NA	NA	
##	Negative_Images_Phase1_NumClicks	Q48 Negative_Images_Phase2_First_ClickTime	
## 1:	NA	NA	NA
## 2:	NA	NA	NA
## 3:	NA	NA	NA
## 4:	NA	NA	NA
## 5:	NA	NA	NA
## 6:	NA	NA	NA
## 7:	NA	NA	NA
## 8:	NA	NA	NA
## 9:	NA	NA	NA
## 10:	NA	NA	NA
## 11:	NA	NA	NA
## 12:	NA	NA	NA
## 13:	NA	NA	NA
## 14:	NA	NA	NA

## 15:	NA	NA	NA
## 16:	NA	NA	NA
## 17:	NA	NA	NA
## 18:	NA	NA	NA
## 19:	NA	NA	NA
## 20:	NA	NA	NA
##	Negative_Images_Phase2_Last_ClickTime	Negative_Images_Phase2_SubmitTime	
## 1:	NA	NA	
## 2:	NA	NA	
## 3:	NA	NA	
## 4:	NA	NA	
## 5:	NA	NA	
## 6:	NA	NA	
## 7:	NA	NA	
## 8:	NA	NA	
## 9:	NA	NA	
## 10:	NA	NA	
## 11:	NA	NA	
## 12:	NA	NA	
## 13:	NA	NA	
## 14:	NA	NA	
## 15:	NA	NA	
## 16:	NA	NA	
## 17:	NA	NA	
## 18:	NA	NA	
## 19:	NA	NA	
## 20:	NA	NA	
##	Negative_Images_Phase2_NumClicks	Total_Score	Random ID Assignment Q1_Score
## 1:	NA	17	49512 FL_17 1
## 2:	NA	14	34170 FL_17 0
## 3:	NA	14	66395 FL_17 0
## 4:	NA	8	45822 FL_17 1
## 5:	NA	24	67539 FL_17 1
## 6:	NA	15	37782 FL_17 1
## 7:	NA	11	34338 FL_17 1
## 8:	NA	18	17606 FL_17 1
## 9:	NA	21	49995 FL_17 1
## 10:	NA	15	86191 FL_17 1
## 11:	NA	12	76548 FL_17 0
## 12:	NA	17	81560 FL_17 1
## 13:	NA	16	58819 FL_17 0
## 14:	NA	18	35307 FL_17 1
## 15:	NA	16	84521 FL_17 1
## 16:	NA	19	83633 FL_17 1
## 17:	NA	19	69460 FL_17 1
## 18:	NA	16	96416 FL_17 1
## 19:	NA	16	77113 FL_17 0
## 20:	NA	17	26300 FL_17 1
##	Q2_Score	Q3_Score	Q4_Score Q5_Score Q6_Score Q7_Score Q8_Score Q9_Score
## 1:	0	0	1 0 0 0 0 1
## 2:	0	1	1 0 1 1 0 1
## 3:	1	0	0 0 1 1 0 1
## 4:	0	0	1 0 1 0 0 0
## 5:	1	1	1 0 1 1 1 1

## 6:	0	1	0	1	0	0	1	1
## 7:	0	0	1	1	1	0	0	0
## 8:	1	1	0	0	0	0	1	1
## 9:	0	1	0	0	1	1	0	1
## 10:	0	0	1	1	1	1	1	1
## 11:	1	0	1	1	1	1	0	0
## 12:	1	1	0	0	1	1	1	1
## 13:	0	1	1	0	1	1	0	1
## 14:	1	1	1	0	1	1	1	1
## 15:	0	1	0	0	1	0	1	1
## 16:	1	1	1	0	1	1	1	1
## 17:	0	0	1	1	0	1	1	0
## 18:	1	1	1	0	0	0	1	0
## 19:	0	1	1	0	1	1	0	1
## 20:	1	0	1	1	1	0	1	0
##	Q10_Score	Q11_Score	Q12_Score	Q13_Score	Q14_Score	Q15_Score	Q16_Score	
## 1:	0	1	1	0	0	0	0	0
## 2:	0	1	0	0	1	0	0	0
## 3:	1	0	0	0	1	1	0	0
## 4:	0	0	0	0	1	1	0	0
## 5:	0	1	1	0	1	0	1	1
## 6:	1	0	1	0	0	1	0	0
## 7:	0	0	0	0	1	0	0	0
## 8:	0	1	1	0	0	1	0	0
## 9:	1	1	0	0	1	0	0	0
## 10:	1	0	0	0	1	1	0	0
## 11:	0	0	0	0	1	1	0	0
## 12:	1	0	0	0	0	1	0	0
## 13:	0	1	0	0	1	0	0	0
## 14:	1	0	1	0	1	0	0	0
## 15:	0	0	0	0	0	1	0	0
## 16:	0	1	1	0	0	0	0	0
## 17:	0	1	1	0	0	0	0	1
## 18:	1	0	1	0	0	1	1	1
## 19:	0	1	1	0	1	0	0	0
## 20:	0	0	1	0	1	1	1	1
##	Q17_Score	Q18_Score	Q19_Score	Q20_Score	Q21_Score	Q22_Score	Q23_Score	
## 1:	1	1	1	1	1	0	1	1
## 2:	1	0	1	0	0	0	1	1
## 3:	0	1	1	1	0	0	1	1
## 4:	0	0	0	0	1	0	0	0
## 5:	1	1	0	1	1	1	1	1
## 6:	0	1	1	1	1	0	0	0
## 7:	0	0	0	1	0	1	0	0
## 8:	1	1	1	1	1	0	0	0
## 9:	1	1	1	1	1	1	1	1
## 10:	0	0	0	0	1	0	0	0
## 11:	0	0	0	1	1	0	0	0
## 12:	0	0	0	0	1	0	1	1
## 13:	1	0	1	0	0	0	1	1
## 14:	1	0	0	1	0	1	0	0
## 15:	1	0	0	1	1	0	1	1
## 16:	0	0	1	1	0	0	1	1
## 17:	1	0	1	1	0	1	1	1

## 18:	0	0	0	1	1	1	0
## 19:	1	0	1	0	0	0	1
## 20:	0	0	0	1	1	1	0
##	Q24_Score	Q25_Score	Q26_Score	Q27_Score	Q28_Score	Q29_Score	Q30_Score
## 1:	1	1	0	0	1	1	1
## 2:	0	1	1	1	1	0	0
## 3:	0	0	1	0	0	0	1
## 4:	0	0	1	0	0	1	0
## 5:	1	1	1	0	1	1	1
## 6:	0	0	0	0	0	1	1
## 7:	0	1	1	1	1	0	0
## 8:	1	1	0	1	0	0	1
## 9:	1	1	1	0	1	1	0
## 10:	1	1	0	1	0	0	1
## 11:	0	0	1	0	1	1	0
## 12:	1	1	0	1	0	1	1
## 13:	1	1	1	1	1	0	0
## 14:	1	0	1	0	1	0	0
## 15:	1	1	0	1	1	0	1
## 16:	1	1	1	1	1	0	0
## 17:	1	1	1	0	1	1	0
## 18:	1	0	1	0	0	1	1
## 19:	0	1	1	1	1	0	0
## 20:	1	0	1	0	0	1	1
##	Assignment_Group	TaskPhase1_Score	TaskPhase2_Score	TaskPhase3_Score			
## 1:	Control	0.3	0.6	0.7			
## 2:	Control	0.5	0.4	0.5			
## 3:	Control	0.5	0.5	0.3			
## 4:	Control	0.3	0.2	0.3			
## 5:	Control	0.8	0.7	0.9			
## 6:	Control	0.6	0.5	0.3			
## 7:	Control	0.4	0.2	0.5			
## 8:	Control	0.5	0.7	0.5			
## 9:	Control	0.6	0.6	0.8			
## 10:	Control	0.8	0.2	0.5			
## 11:	Control	0.5	0.3	0.4			
## 12:	Control	0.8	0.1	0.7			
## 13:	Control	0.5	0.4	0.6			
## 14:	Control	0.9	0.4	0.4			
## 15:	Control	0.5	0.3	0.7			
## 16:	Control	0.8	0.4	0.6			
## 17:	Control	0.5	0.6	0.7			
## 18:	Control	0.6	0.4	0.6			
## 19:	Control	0.5	0.5	0.5			
## 20:	Control	0.6	0.5	0.6			
##	houzenumber	street	city	county	state		
## 1:	11124	Westmere Circle	Dallas	United States	Texas		
## 2:	11124	Westmere Circle	Dallas	United States	Kansas		
## 3:	3312	Whisper Lakes Boulevard	Orlando	United States	Florida		
## 4:	312	Mint Street	Chennai	India	Tamil Nadu		
## 5:	227	North Spring Street	Los Angeles	United States	California		
## 6:	312	Mint Street	Chennai	India	Tamil Nadu		
## 7:	312	Mint Street	Chennai	India	Tamil Nadu		
## 8:	312	Mint Street	Chennai	India	Tamil Nadu		

## 9:	312	Kaval Kara Street	Fontana	United States	California		
## 10:	312	Mint Street	Chennai	India	Tamil Nadu		
## 11:	312	Mint Street	Chennai	India	Tamil Nadu		
## 12:	312	Mint Street	Chennai	India	Tamil Nadu		
## 13:	312	Mint Street	Chennai	India	Tamil Nadu		
## 14:	3005	Vía Venezia	Henderson	United States	Nevada		
## 15:	138-1	32nd Avenue	Chennai	United States	New York		
## 16:	227	North Spring Street	Los Angeles	United States	California		
## 17:	227	North Spring Street	Los Angeles	United States	California		
## 18:	227	North Spring Street	Los Angeles	United States	California		
## 19:	312	Mint Street	Chennai	United States	Kansas		
## 20:	227	North Spring Street	Los Angeles	United States	California		
##	zip	country	age_bin	edu_bin	assign_bin	US_Dummy	Male_Dummy
## 1:	75230	United States	3	2	1	1	1
## 2:	75230	United States	4	2	1	1	0
## 3:	32837	United States	2	2	1	1	0
## 4:	600003	India	3	2	1	0	1
## 5:	90012	United States	4	2	1	1	0
## 6:	600003	India	3	2	1	0	1
## 7:	600003	India	2	4	1	0	0
## 8:	600003	India	3	2	1	0	1
## 9:	92336	United States	2	4	1	1	1
## 10:	600003	India	2	4	1	0	0
## 11:	600003	India	1	2	1	0	1
## 12:	600003	India	1	2	1	0	1
## 13:	600003	India	2	2	1	0	1
## 14:	89052	United States	2	4	1	1	1
## 15:	11354	United States	2	2	1	1	0
## 16:	90012	United States	4	4	1	1	1
## 17:	90012	United States	4	4	1	1	1
## 18:	90012	United States	5	2	1	1	1
## 19:	600003	United States	5	2	1	1	1
## 20:	90012	United States	5	2	1	1	0
##	Treatment_Dummy	Self_Reflect_Dummy	Med_Feedback_Dummy	Positive_Images_Dummy			
## 1:	0	0	0	0			
## 2:	0	0	0	0			
## 3:	0	0	0	0			
## 4:	0	0	0	0			
## 5:	0	0	0	0			
## 6:	0	0	0	0			
## 7:	0	0	0	0			
## 8:	0	0	0	0			
## 9:	0	0	0	0			
## 10:	0	0	0	0			
## 11:	0	0	0	0			
## 12:	0	0	0	0			
## 13:	0	0	0	0			
## 14:	0	0	0	0			
## 15:	0	0	0	0			
## 16:	0	0	0	0			
## 17:	0	0	0	0			
## 18:	0	0	0	0			
## 19:	0	0	0	0			
## 20:	0	0	0	0			

##	Negative_Images_Dummy	Self_Reflect_Q1_NumWords	Self_Reflect_Q2_NumWords
## 1:	0	NA	NA
## 2:	0	NA	NA
## 3:	0	NA	NA
## 4:	0	NA	NA
## 5:	0	NA	NA
## 6:	0	NA	NA
## 7:	0	NA	NA
## 8:	0	NA	NA
## 9:	0	NA	NA
## 10:	0	NA	NA
## 11:	0	NA	NA
## 12:	0	NA	NA
## 13:	0	NA	NA
## 14:	0	NA	NA
## 15:	0	NA	NA
## 16:	0	NA	NA
## 17:	0	NA	NA
## 18:	0	NA	NA
## 19:	0	NA	NA
## 20:	0	NA	NA

##	Control_Phase1_NumWords	Control_Phase2_NumWords
## 1:	3	4
## 2:	1	4
## 3:	3	2
## 4:	2	1
## 5:	2	2
## 6:	3	1
## 7:	2	2
## 8:	2	1
## 9:	2	1
## 10:	4	5
## 11:	1	1
## 12:	1	1
## 13:	3	6
## 14:	2	2
## 15:	4	8
## 16:	4	3
## 17:	2	2
## 18:	2	1
## 19:	2	6
## 20:	2	1

#Attrition develop EDA where people churn off balance check for attrition

```
d_attrition <- fread('../check-valid-responses/data/qualtrics_results_final.csv')
```

```
d_attrition <- d_attrition[(Status == "IP Address") & (Finished != 'True'),]
```

```
d_attrition #66 rows in total
```

##	StartDate	EndDate	Status	IPAddress	Progress
## 1:	2020-11-09 20:46:47	2020-11-09 20:47:35	IP Address	45.164.70.26	3
## 2:	2020-11-09 20:48:04	2020-11-09 20:49:16	IP Address	73.202.216.177	3
## 3:	2020-11-09 20:47:18	2020-11-09 20:49:27	IP Address	171.49.199.45	82
## 4:	2020-11-09 20:47:20	2020-11-09 20:48:57	IP Address	43.229.90.17	3

##	5:	2020-11-09	20:48:59	2020-11-09	20:49:50	IP Address	131.72.189.136	3
##	6:	2020-11-09	20:48:05	2020-11-09	20:49:41	IP Address	27.57.31.83	3
##	7:	2020-11-09	20:49:43	2020-11-09	20:49:59	IP Address	68.100.174.128	83
##	8:	2020-11-09	20:49:01	2020-11-09	20:50:09	IP Address	184.57.164.219	81
##	9:	2020-11-09	20:49:18	2020-11-09	20:52:22	IP Address	73.102.194.37	3
##	10:	2020-11-09	20:47:05	2020-11-09	20:53:07	IP Address	157.49.228.161	3
##	11:	2020-11-09	20:49:32	2020-11-09	20:54:41	IP Address	157.51.41.56	3
##	12:	2020-11-09	20:47:53	2020-11-09	20:54:27	IP Address	32.211.184.80	83
##	13:	2020-11-09	20:47:15	2020-11-09	20:55:15	IP Address	117.213.37.127	90
##	14:	2020-11-09	20:47:13	2020-11-09	20:55:40	IP Address	67.186.182.21	99
##	15:	2020-11-09	20:48:57	2020-11-09	20:55:45	IP Address	122.164.24.219	81
##	16:	2020-11-09	20:51:14	2020-11-09	20:56:35	IP Address	71.136.150.232	82
##	17:	2020-11-09	20:56:02	2020-11-09	20:56:48	IP Address	23.28.225.18	3
##	18:	2020-11-09	20:48:24	2020-11-09	20:57:05	IP Address	76.170.116.29	99
##	19:	2020-11-09	20:47:39	2020-11-09	20:57:33	IP Address	97.89.169.178	92
##	20:	2020-11-09	20:48:02	2020-11-09	20:58:42	IP Address	183.83.27.158	82
##	21:	2020-11-09	20:52:42	2020-11-09	20:58:44	IP Address	122.164.94.28	99
##	22:	2020-11-09	20:47:02	2020-11-09	20:59:23	IP Address	122.174.123.52	3
##	23:	2020-11-09	20:54:28	2020-11-09	21:00:17	IP Address	122.164.71.140	99
##	24:	2020-11-09	20:55:45	2020-11-09	21:00:55	IP Address	76.29.15.158	99
##	25:	2020-11-09	21:00:06	2020-11-09	21:01:39	IP Address	122.164.24.221	81
##	26:	2020-11-09	20:52:19	2020-11-09	21:02:30	IP Address	122.183.166.139	81
##	27:	2020-11-09	20:54:46	2020-11-09	21:03:33	IP Address	122.164.41.106	99
##	28:	2020-11-09	20:47:23	2020-11-09	21:03:51	IP Address	173.22.99.211	99
##	29:	2020-11-09	20:50:08	2020-11-09	21:04:44	IP Address	122.174.207.0	81
##	30:	2020-11-09	20:58:03	2020-11-09	21:05:39	IP Address	122.174.184.152	99
##	31:	2020-11-09	20:52:13	2020-11-09	21:06:11	IP Address	122.164.33.143	99
##	32:	2020-11-09	21:04:12	2020-11-09	21:06:26	IP Address	103.58.116.178	81
##	33:	2020-11-09	20:46:39	2020-11-09	21:06:53	IP Address	122.174.111.210	92
##	34:	2020-11-09	20:47:59	2020-11-09	21:07:25	IP Address	122.183.167.32	81
##	35:	2020-11-09	20:52:05	2020-11-09	21:10:35	IP Address	196.17.65.220	99
##	36:	2020-11-09	20:58:25	2020-11-09	21:13:53	IP Address	157.46.64.80	81
##	37:	2020-11-09	20:59:24	2020-11-09	21:17:02	IP Address	196.19.178.115	82
##	38:	2020-11-09	20:50:04	2020-11-09	21:18:29	IP Address	198.228.135.95	83
##	39:	2020-11-09	21:11:47	2020-11-09	21:19:35	IP Address	63.160.142.52	92
##	40:	2020-11-09	21:11:12	2020-11-09	21:22:16	IP Address	196.17.64.212	99
##	41:	2020-11-09	21:11:28	2020-11-09	21:23:00	IP Address	196.17.65.101	83
##	42:	2020-11-09	21:17:51	2020-11-09	21:23:22	IP Address	122.164.90.125	99
##	43:	2020-11-09	21:17:44	2020-11-09	21:23:37	IP Address	173.217.208.158	99
##	44:	2020-11-09	21:17:30	2020-11-09	21:24:00	IP Address	122.174.107.145	99
##	45:	2020-11-09	21:17:34	2020-11-09	21:25:23	IP Address	171.49.218.150	99
##	46:	2020-11-09	21:17:48	2020-11-09	21:26:01	IP Address	122.174.225.43	99
##	47:	2020-11-09	21:17:38	2020-11-09	21:26:58	IP Address	122.174.123.21	99
##	48:	2020-11-09	21:18:06	2020-11-09	21:27:11	IP Address	122.174.84.227	99
##	49:	2020-11-09	21:14:56	2020-11-09	21:27:13	IP Address	122.164.24.244	81
##	50:	2020-11-09	21:19:02	2020-11-09	21:27:39	IP Address	171.61.242.198	99
##	51:	2020-11-09	21:19:13	2020-11-09	21:27:52	IP Address	122.174.86.195	99
##	52:	2020-11-09	20:48:01	2020-11-09	21:31:31	IP Address	209.58.147.239	99
##	53:	2020-11-09	20:52:51	2020-11-09	21:34:26	IP Address	138.59.206.16	99
##	54:	2020-11-09	21:33:18	2020-11-09	21:37:31	IP Address	196.17.65.65	99
##	55:	2020-11-09	21:27:48	2020-11-09	21:42:54	IP Address	71.197.114.48	3
##	56:	2020-11-09	21:40:27	2020-11-09	21:46:29	IP Address	76.170.206.6	92
##	57:	2020-11-09	21:39:20	2020-11-09	22:04:59	IP Address	196.17.64.142	92
##	58:	2020-11-09	22:24:06	2020-11-09	22:26:02	IP Address	63.75.251.85	81

## 59:	2020-11-09 20:47:34	2020-11-09 23:53:56	IP Address	196.17.67.25	3
## 60:	2020-11-09 21:15:21	2020-11-10 07:13:34	IP Address	103.58.65.150	84
## 61:	2020-11-09 20:49:47	2020-11-10 10:32:39	IP Address	73.189.183.209	3
## 62:	2020-11-12 17:54:36	2020-11-12 17:58:37	IP Address	45.144.80.95	83
## 63:	2020-11-12 17:50:36	2020-11-12 18:01:17	IP Address	23.120.223.8	99
## 64:	2020-11-12 19:39:25	2020-11-12 19:47:55	IP Address	134.202.32.186	92
## 65:	2020-11-12 19:17:26	2020-11-12 19:52:48	IP Address	198.228.144.199	3
## 66:	2020-11-12 19:52:34	2020-11-12 20:10:38	IP Address	198.228.137.228	99
##	StartDate	EndDate	Status	IPAddress	Progress
##	Duration (in seconds)	Finished	RecordedDate	ResponseId	
## 1:	47	False	2020-11-16 20:47:35	R_2SDNeE261v2UjAN	
## 2:	71	False	2020-11-16 20:49:22	R_Q4J1JUmf0M4CKS1	
## 3:	128	False	2020-11-16 20:49:28	R_w5izLri4BrqWwtX	
## 4:	96	False	2020-11-16 20:49:38	R_3oT7Jto67kIXLWC	
## 5:	50	False	2020-11-16 20:49:51	R_2WZqTKWDk30omZk	
## 6:	95	False	2020-11-16 20:50:03	R_1IydGNcUlDu2AP1	
## 7:	15	False	2020-11-16 20:50:12	R_RkLUCW7VwKpc5ih	
## 8:	68	False	2020-11-16 20:50:16	R_3j73Ns3BhV5UX6z	
## 9:	183	False	2020-11-16 20:52:45	R_3KZppvxHex5FIUU	
## 10:	362	False	2020-11-16 20:53:25	R_Q9vXKkogWnugt5D	
## 11:	309	False	2020-11-16 20:54:43	R_x6kUEycYzhRcECd	
## 12:	393	False	2020-11-16 20:54:59	R_1nVJxdL33fDG5Lw	
## 13:	480	False	2020-11-16 20:55:22	R_1PTLNWh1UHBzAmA	
## 14:	507	False	2020-11-16 20:55:44	R_2dJSrzkds8wRsCe	
## 15:	407	False	2020-11-16 20:55:46	R_1IY5LftRjoKqHfY	
## 16:	321	False	2020-11-16 20:56:47	R_1iljZUPjX30MHtt	
## 17:	46	False	2020-11-16 20:56:58	R_rkUzSM40mYBbsgF	
## 18:	520	False	2020-11-16 20:57:05	R_4SmkbW5XRFawbpD	
## 19:	593	False	2020-11-16 20:57:55	R_bvVDDgWsuFShMyZ	
## 20:	640	False	2020-11-16 20:58:49	R_3kNVb000TJWCZoc	
## 21:	362	False	2020-11-16 20:58:50	R_3hyaDP1GSmhvfuh	
## 22:	741	False	2020-11-16 20:59:32	R_3FR03xu5zy0sRSU	
## 23:	349	False	2020-11-16 21:00:33	R_xouj1FIClg6jTPP	
## 24:	310	False	2020-11-16 21:01:12	R_3qwgD00QqTic7HR	
## 25:	92	False	2020-11-16 21:01:52	R_3dPTEX57Vu11J09	
## 26:	611	False	2020-11-16 21:02:35	R_2TTWLtEY3mSk3IC	
## 27:	526	False	2020-11-16 21:03:36	R_1EQL6SGJtvwjJ1T	
## 28:	988	False	2020-11-16 21:04:28	R_1AJotTR0h9HLUhr	
## 29:	876	False	2020-11-16 21:04:50	R_1lttXocY71zHpjV	
## 30:	455	False	2020-11-16 21:05:41	R_udNclGEvTpOFcSR	
## 31:	837	False	2020-11-16 21:06:18	R_vPH5uXe9M0dH9q9	
## 32:	133	False	2020-11-16 21:06:29	R_33xwvYAeYga73cl	
## 33:	1214	False	2020-11-16 21:07:08	R_1qdPqIr0275Ebv2	
## 34:	1166	False	2020-11-16 21:07:26	R_1FlU8KUbkKnkYkvn	
## 35:	1109	False	2020-11-16 21:10:41	R_DiP3SaXkMpYIubf	
## 36:	928	False	2020-11-16 21:14:08	R_2YlFsIOKVzn5DWc	
## 37:	1058	False	2020-11-16 21:17:35	R_2CsldpI135etd5J	
## 38:	1704	False	2020-11-16 21:18:36	R_Rw53IV1YZLkKBZn	
## 39:	468	False	2020-11-16 21:19:48	R_2aS0JeqJFvuBEoL	
## 40:	663	False	2020-11-16 21:23:08	R_2QnYm4BAYir1qX4	
## 41:	691	False	2020-11-16 21:23:08	R_3F35ytDpmw3uPK7	
## 42:	331	False	2020-11-16 21:23:32	R_ve03h4e8P8Gujbb	
## 43:	353	False	2020-11-16 21:24:15	R_3stwj651yfJ9A87	
## 44:	389	False	2020-11-16 21:24:34	R_a4t4DcOSS94pEsN	



## 45:	468	False	2020-11-16	21:25:41	R_TbJSkOrp1iP75o1
## 46:	493	False	2020-11-16	21:26:05	R_1M6W2YY0Tc4eaue
## 47:	559	False	2020-11-16	21:26:59	R_3oMkCeC39jSeWJh
## 48:	544	False	2020-11-16	21:27:16	R_1dm0jHhIDR1MEza
## 49:	736	False	2020-11-16	21:27:17	R_rkgTr1CBUAdl7pv
## 50:	516	False	2020-11-16	21:28:17	R_1hHntIeSdFTxpeg
## 51:	519	False	2020-11-16	21:28:18	R_1BXEWVVPK1w3nEp
## 52:	2610	False	2020-11-16	21:31:31	R_1DTKKAXs83eTI75
## 53:	2495	False	2020-11-16	21:34:42	R_2v9b49qHALd90Lg
## 54:	253	False	2020-11-16	21:38:16	R_2s5Q2SC0P8hPzJp
## 55:	906	False	2020-11-16	21:43:00	R_28MNM0IPEZ43KMW
## 56:	362	False	2020-11-16	21:46:35	R_2qrfehXdsCIcYRn
## 57:	1539	False	2020-11-16	22:05:07	R_2EuBc6WCd8133Ju
## 58:	115	False	2020-11-16	22:26:40	R_1rGpPJ4020vjNdV
## 59:	11181	False	2020-11-16	23:54:27	R_2b3I6sN659gwPT1
## 60:	35893	False	2020-11-17	07:13:43	R_1gzGQ8V07UuK05q
## 61:	49371	False	2020-11-17	10:32:57	R_3es3e7pYuh6Krx1
## 62:	241	False	2020-11-19	17:58:39	R_24eED9g7fYq5GsQ
## 63:	640	False	2020-11-19	18:01:22	R_3hltksmfadfkXVK
## 64:	509	False	2020-11-19	19:48:22	R_yImHRpq0Qheg5tn
## 65:	2122	False	2020-11-19	19:53:35	R_2BrGn939bXG79R8
## 66:	1084	False	2020-11-19	20:11:07	R_1n0dp48Z3CkVf2j
##	Duration (in seconds)	Finished	RecordedDate	ResponseId	
##	RecipientLastName	RecipientFirstName	RecipientEmail	ExternalReference	
## 1:					
## 2:					
## 3:					
## 4:					
## 5:					
## 6:					
## 7:					
## 8:					
## 9:					
## 10:					
## 11:					
## 12:					
## 13:					
## 14:					
## 15:					
## 16:					
## 17:					
## 18:					
## 19:					
## 20:					
## 21:					
## 22:					
## 23:					
## 24:					
## 25:					
## 26:					
## 27:					
## 28:					
## 29:					
## 30:					

```

## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42:
## 43:
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      RecipientLastName RecipientFirstName RecipientEmail ExternalReference
##      LocationLatitude LocationLongitude DistributionChannel UserLanguage
##  1:                                anonymous          EN
##  2:                                anonymous          EN
##  3:                                anonymous          EN
##  4:                                anonymous          EN
##  5:                                anonymous          EN
##  6:                                anonymous          EN
##  7:                                anonymous          EN
##  8:                                anonymous          EN
##  9:                                anonymous          EN
## 10:                                anonymous          EN
## 11:                                anonymous          EN
## 12:                                anonymous          EN
## 13:                                anonymous          EN
## 14:                                anonymous          EN
## 15:                                anonymous          EN
## 16:                                anonymous          EN

```

## 17:	anonymous	EN
## 18:	anonymous	EN
## 19:	anonymous	EN
## 20:	anonymous	EN
## 21:	anonymous	EN
## 22:	anonymous	EN
## 23:	anonymous	EN
## 24:	anonymous	EN
## 25:	anonymous	EN
## 26:	anonymous	EN
## 27:	anonymous	EN
## 28:	anonymous	EN
## 29:	anonymous	EN
## 30:	anonymous	EN
## 31:	anonymous	EN
## 32:	anonymous	EN
## 33:	anonymous	EN
## 34:	anonymous	EN
## 35:	anonymous	EN
## 36:	anonymous	EN
## 37:	anonymous	EN
## 38:	anonymous	EN
## 39:	anonymous	EN
## 40:	anonymous	EN
## 41:	anonymous	EN
## 42:	anonymous	EN
## 43:	anonymous	EN
## 44:	anonymous	EN
## 45:	anonymous	EN
## 46:	anonymous	EN
## 47:	anonymous	EN
## 48:	anonymous	EN
## 49:	anonymous	EN
## 50:	anonymous	EN
## 51:	anonymous	EN
## 52:	anonymous	EN
## 53:	anonymous	EN
## 54:	anonymous	EN
## 55:	anonymous	EN
## 56:	anonymous	EN
## 57:	anonymous	EN
## 58:	anonymous	EN
## 59:	anonymous	EN
## 60:	anonymous	EN
## 61:	anonymous	EN
## 62:	anonymous	EN
## 63:	anonymous	EN
## 64:	anonymous	EN
## 65:	anonymous	EN
## 66:	anonymous	EN
##	LocationLatitude LocationLongitude DistributionChannel UserLanguage	
##	Amazon_Turk_ID Gender Q82_3_TEXT Age_Range Education_Level	
## 1:	tuturtu Male 25-34 Associate's degree	
## 2:	A1CD7060QAQQRT Female 45-54 Bachelor's degree	

## 3:	A16U186WXXJIWR	Female	25-34	Master's degree and above
## 4:	A26RPQDDORQEHL	Male	45-54	Master's degree and above
## 5:	A3FLBC6LC5GJ3W	Male	18-24	High school
## 6:	A1Z3GFH6MNSU46	Male	25-34	Bachelor's degree
## 7:		55 Female	Above 65	Some high school
## 8:	A1E77HZ063E334	Male	25-34	Bachelor's degree
## 9:	A2BUHMLNE3LUU0	Male	45-54	Bachelor's degree
## 10:	AE7NJGOKOVZYJ	Male	25-34	Bachelor's degree
## 11:	A8F6JFGOWSELT	Male	25-34	Bachelor's degree
## 12:	A2G33UKP99NVLM	Female	25-34	Bachelor's degree
## 13:	A2JAMNGL6SDAHQ	Female	18-24	Bachelor's degree
## 14:	A2UEY5LEXZ1I40	Female	18-24	Bachelor's degree
## 15:	A3EZOH07TSDAPW	Male	18-24	Bachelor's degree
## 16:	A37OUZOGQKGMW0	Female	Above 65	Associate's degree
## 17:	A3QLKLIQW1B1FR	Male	45-54	Master's degree and above
## 18:	ljgeogioe65485	Female	25-34	Bachelor's degree
## 19:	A2X9TBFKHY1S30	Female	45-54	Bachelor's degree
## 20:	AMCR54ZV0S0OC	Male	45-54	High school
## 21:	A1KIAFYTOPEV2T	Male	35-44	Bachelor's degree
## 22:	A2XIHO2W7EEP32	Male	25-34	Bachelor's degree
## 23:	A2NDVK0A3U7GWY	Male	35-44	Bachelor's degree
## 24:	A2IGIOD74EPOEF	Male	45-54	Bachelor's degree
## 25:	A2PYXFVGNJPPX0	Female	25-34	Bachelor's degree
## 26:	ADLZLGHK0AEE6	Male	25-34	Bachelor's degree
## 27:	A1G1PUPGA9IB7J	Male	25-34	Bachelor's degree
## 28:	A3GMRPF5MCQVGV	Female	35-44	Trade school
## 29:	A3TUMZ9540RSUC	Female	25-34	Bachelor's degree
## 30:	AT1309Y4E9RUV	Male	25-34	Master's degree and above
## 31:	A1IOMFFEKCWOIT	Female	25-34	Bachelor's degree
## 32:	A2N2V517FVOBVZ	Male	25-34	Bachelor's degree
## 33:	A5LYLHG880ABE	Male	18-24	Bachelor's degree
## 34:	A1CF1W8CPODHBO	Male	25-34	Bachelor's degree
## 35:	AIEQANG943IW8	Male	45-54	Bachelor's degree
## 36:	A30LQHQQAW6PHR	Female	18-24	Master's degree and above
## 37:	A30UIAS4T183W0	Female	18-24	Bachelor's degree
## 38:	A2KOLZ7BB15AIU	Male	45-54	Bachelor's degree
## 39:	A2WP71VTV1F1DV	Female	55-64	Bachelor's degree
## 40:	A2NS28ESX9EMJV	Female	35-44	Master's degree and above
## 41:	A2RQKVTTQKESIW6	Male	55-64	Bachelor's degree
## 42:	A2PDEHYI2M81EC	Male	35-44	Bachelor's degree
## 43:	A2WJMGVOHKQG3Z	Female	Above 65	Trade school
## 44:	A18WFPSLFV4FKY	Male	25-34	Master's degree and above
## 45:	AJ1Q54P37KT5R	Male	25-34	Associate's degree
## 46:	AYZX9T7RBX3ZP	Male	25-34	Bachelor's degree
## 47:	A1GMYDH5MKN105	Male	25-34	Master's degree and above
## 48:	A8H1AW1NWPMAJ	Female	25-34	Associate's degree
## 49:	A3QI1RV4HQ9MOC	Male	25-34	Bachelor's degree
## 50:	A2BODHIYXB7647	Female	25-34	Associate's degree
## 51:	A2MH5LSEGJZAXF	Male	25-34	Associate's degree
## 52:	A11NPRAGI18E8C	Female	35-44	Bachelor's degree
## 53:	A1R5501S7ARLU3	Male	35-44	Bachelor's degree
## 54:	AS11GF9V8TFC4	Male	55-64	Bachelor's degree
## 55:	AQ9Y6WD8072ZC	Female	25-34	High school
## 56:	A2H35TTUCSQBV9	Female	25-34	Master's degree and above

##	Amazon_Turk_ID	Gender	Q82_3_TEXT	Age_Range	Education_Level		
##	Q1	Q2	Q3	Q4	Q5	Q6	Q7
## 57:	A39AAWF3F80M6Q	Male		45-54	Bachelor's degree		
## 58:	AZM8T1CY97NCA	Male		35-44	Bachelor's degree		
## 59:	A9K6IVBA0J1CX	Male		35-44	Bachelor's degree		
## 60:	A36XG2BJZH6ZKJ	Male		25-34	Bachelor's degree		
## 61:	A1YSYI926BBOHW	Male		35-44	Bachelor's degree		
## 62:	A1H198MRIM37T1	Male		35-44	Bachelor's degree		
## 63:	A1D3AAS91UOUBY	Male		25-34	High school		
## 64:	A2UR8ZKK051K5N	Female		25-34	Master's degree and above		
## 65:	A2J5BRQ88W745H	Female		45-54	Bachelor's degree		
## 66:	A1JS2USVLH2VKR	Male		35-44	Bachelor's degree		
## 1:							
## 2:							
## 3:	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Normal
## 4:							
## 5:							
## 6:							
## 7:	Normal	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia
## 8:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 9:							
## 10:							
## 11:							
## 12:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 13:	Normal	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 14:	Normal	Normal	Normal	Pneumonia	Normal	Normal	Pneumonia
## 15:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 16:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 17:							
## 18:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 19:	Pneumonia	Normal	Normal	Normal	Normal	Normal	Normal
## 20:	Normal	Normal	Pneumonia	Normal	Normal	Pneumonia	Pneumonia
## 21:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Normal
## 22:							
## 23:	Normal	Normal	Pneumonia	Normal	Normal	Normal	Pneumonia
## 24:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 25:	Normal	Normal	Normal	Normal	Normal	Pneumonia	Pneumonia
## 26:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 27:	Normal	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia
## 28:	Normal	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 29:	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 30:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 31:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 32:	Normal	Pneumonia	Pneumonia	Normal	Normal	Normal	Normal
## 33:	Normal	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia
## 34:	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 35:	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Normal
## 36:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 37:	Pneumonia	Pneumonia	Pneumonia	Normal	Normal	Normal	Normal
## 38:	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 39:	Normal	Pneumonia	Normal	Pneumonia	Normal	Normal	Pneumonia
## 40:	Normal	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal
## 41:	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia
## 42:	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Normal	Normal

## 43:	Pneumonia	Pneumonia	Normal	Normal	Normal	Normal	Pneumonia
## 44:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 45:	Normal	Normal	Normal	Normal	Normal	Normal	Pneumonia
## 46:	Pneumonia	Pneumonia	Normal	Normal	Pneumonia	Normal	Pneumonia
## 47:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 48:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 49:	Normal	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia
## 50:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 51:	Normal	Normal	Normal	Pneumonia	Normal	Pneumonia	Pneumonia
## 52:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Normal	Normal
## 53:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 54:	Pneumonia	Pneumonia	Normal	Normal	Pneumonia	Normal	Normal
## 55:							
## 56:	Normal	Normal	Normal	Pneumonia	Pneumonia	Pneumonia	Pneumonia
## 57:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
## 58:	Normal	Pneumonia	Normal	Pneumonia	Normal	Pneumonia	Normal
## 59:							
## 60:	Normal	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Normal
## 61:							
## 62:	Normal	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 63:	Normal	Normal	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 64:	Pneumonia	Pneumonia	Pneumonia	Normal	Pneumonia	Pneumonia	Pneumonia
## 65:							
## 66:	Pneumonia	Normal	Pneumonia	Normal	Normal	Normal	Pneumonia
##	Q1	Q2	Q3	Q4	Q5	Q6	Q7
##	Q8	Q9	Q10				
## 1:							
## 2:							
## 3:	Normal	Pneumonia	Pneumonia				
## 4:							
## 5:							
## 6:							
## 7:	Pneumonia	Normal	Normal				
## 8:	Normal	Pneumonia	Normal				
## 9:							
## 10:							
## 11:							
## 12:	Normal	Pneumonia	Normal				
## 13:	Normal	Pneumonia	Normal				
## 14:	Normal	Pneumonia	Pneumonia				
## 15:	Pneumonia	Pneumonia	Pneumonia				
## 16:	Normal	Pneumonia	Normal				
## 17:							
## 18:	Pneumonia	Pneumonia	Pneumonia				
## 19:	Normal	Normal	Normal				
## 20:	Normal	Pneumonia	Normal				
## 21:	Pneumonia	Normal	Pneumonia				
## 22:							
## 23:	Normal	Normal	Normal				
## 24:	Normal	Normal	Normal				
## 25:	Pneumonia	Pneumonia	Normal				
## 26:	Pneumonia	Pneumonia	Pneumonia				
## 27:	Normal	Normal	Pneumonia				
## 28:	Normal	Pneumonia	Normal				

```

## 29:    Normal Pneumonia    Normal
## 30:    Normal Pneumonia    Normal
## 31: Pneumonia    Normal Pneumonia
## 32: Pneumonia    Normal    Normal
## 33:    Normal    Normal    Normal
## 34: Pneumonia Pneumonia Pneumonia
## 35: Pneumonia    Normal Pneumonia
## 36:    Normal Pneumonia Pneumonia
## 37: Pneumonia Pneumonia    Normal
## 38:    Normal Pneumonia Pneumonia
## 39:    Normal Pneumonia    Normal
## 40: Pneumonia Pneumonia    Normal
## 41: Pneumonia    Normal Pneumonia
## 42:    Normal    Normal    Normal
## 43: Pneumonia Pneumonia    Normal
## 44:    Normal    Normal    Normal
## 45:    Normal Pneumonia    Normal
## 46:    Normal    Normal Pneumonia
## 47:    Normal    Normal    Normal
## 48:    Normal    Normal    Normal
## 49:    Normal Pneumonia    Normal
## 50:    Normal Pneumonia    Normal
## 51: Pneumonia    Normal Pneumonia
## 52: Pneumonia    Normal Pneumonia
## 53: Pneumonia    Normal    Normal
## 54: Pneumonia    Normal Pneumonia
## 55:
## 56:    Normal Pneumonia    Normal
## 57:    Normal    Normal    Normal
## 58: Pneumonia    Normal    Normal
## 59:
## 60: Pneumonia Pneumonia Pneumonia
## 61:
## 62:    Normal Pneumonia    Normal
## 63:    Normal Pneumonia    Normal
## 64:    Normal Pneumonia    Normal
## 65:
## 66:    Normal Pneumonia    Normal
##      Q8      Q9      Q10
##
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7: r thoughts on the advertisement? Please answer in two sentences.r thoughts on the advertisement?
## 8:
## 9:
## 10:
## 11:
## 12:
## 13:
## 14:

```

```
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42:
## 43:
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##
##      Control_Phase1_First_ClickTime Control_Phase1_Last_ClickTime
```



## 1:		
## 2:		
## 3:		
## 4:		
## 5:		
## 6:		
## 7:	1.122	2.399
## 8:		
## 9:		
## 10:		
## 11:		
## 12:		
## 13:	70.188	169.732
## 14:		
## 15:		
## 16:		
## 17:		
## 18:		
## 19:		
## 20:		
## 21:		
## 22:		
## 23:		
## 24:		
## 25:		
## 26:		
## 27:		
## 28:		
## 29:		
## 30:		
## 31:		
## 32:		
## 33:		
## 34:		
## 35:	48.297	82.925
## 36:		
## 37:		
## 38:		
## 39:		
## 40:		
## 41:		
## 42:		
## 43:		
## 44:		
## 45:	6.323	16.745
## 46:		
## 47:		
## 48:		
## 49:		
## 50:		
## 51:		
## 52:		
## 53:		
## 54:		

```

## 55:
## 56:
## 57:          23.798          63.077
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:          11.266          69.122
## 64:
## 65:
## 66:          13.017          141.784
##      Control_Phase1_First_ClickTime Control_Phase1_Last_ClickTime
##      Control_Phase1_SubmitTime Control_Phase1_NumClicks      Q11      Q12
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:          6.674          3
## 8:
## 9:
## 10:
## 11:
## 12:
## 13:          180.022          4 Pneumonia      Normal
## 14:          Pneumonia      Normal
## 15:
## 16:
## 17:
## 18:          Pneumonia Pneumonia
## 19:          Pneumonia      Normal
## 20:
## 21:          Normal Pneumonia
## 22:
## 23:          Normal      Normal
## 24:          Normal      Normal
## 25:
## 26:
## 27:          Normal Pneumonia
## 28:          Pneumonia      Normal
## 29:
## 30:          Normal Pneumonia
## 31:          Pneumonia Pneumonia
## 32:
## 33:          Pneumonia Pneumonia
## 34:
## 35:          84.109          7      Normal      Normal
## 36:
## 37:
## 38:
## 39:          Normal Pneumonia
## 40:          Pneumonia Pneumonia

```

```

## 41:
## 42:                                Normal    Normal
## 43:                                Normal    Normal
## 44:                                Normal    Normal
## 45:                86.084                2    Normal Pneumonia
## 46:                                Normal Pneumonia
## 47:                                Normal    Normal
## 48:                                Pneumonia Pneumonia
## 49:
## 50:                                Normal    Normal
## 51:                                Pneumonia    Normal
## 52:                                Normal    Normal
## 53:                                Normal Pneumonia
## 54:                                Normal Pneumonia
## 55:
## 56:                                Normal    Normal
## 57:                71.425                8    Normal    Normal
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:                138.355                6    Normal    Normal
## 64:                                Pneumonia    Normal
## 65:
## 66:                144.19                16    Normal Pneumonia
##      Control_Phase1_SubmitTime Control_Phase1_NumClicks      Q11      Q12
##           Q13      Q14      Q15      Q16      Q17      Q18      Q19
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:    Normal Pneumonia    Normal Pneumonia Pneumonia    Normal Pneumonia
## 14: Pnuemonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 15:
## 16:
## 17:
## 18: Pnuemonia Pneumonia Pneumonia    Normal Pneumonia Pneumonia Pneumonia
## 19:    Normal    Normal    Normal    Normal Pneumonia    Normal    Normal
## 20:
## 21: Pnuemonia Pneumonia Pneumonia    Normal Pneumonia Pneumonia Pneumonia
## 22:
## 23: Pnuemonia    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 24:    Normal    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 25:
## 26:

```

```

## 27:      Normal Pneumonia      Normal Pneumonia      Normal Pneumonia      Normal
## 28: Pnuemonia Pneumonia      Normal      Normal Pneumonia Pneumonia Pneumonia
## 29:
## 30:      Normal Pneumonia      Normal Pneumonia      Normal Pneumonia      Normal
## 31: Pnuemonia Pneumonia      Normal      Normal Pneumonia      Normal Pneumonia
## 32:
## 33: Pnuemonia Pneumonia      Normal      Normal Pneumonia Pneumonia Pneumonia
## 34:
## 35:      Normal Pneumonia Pneumonia Pneumonia      Normal Pneumonia Pneumonia
## 36:
## 37:
## 38:
## 39:      Normal Pneumonia      Normal Pneumonia      Normal Pneumonia      Normal
## 40: Pnuemonia Pneumonia Pneumonia      Normal Pneumonia Pneumonia Pneumonia
## 41:
## 42:      Normal      Normal      Normal      Normal Pneumonia      Normal Pneumonia
## 43:      Normal      Normal      Normal      Normal      Normal      Normal      Normal
## 44:      Normal      Normal      Normal      Normal      Normal      Normal      Normal
## 45:      Normal Pneumonia      Normal Pneumonia      Normal Pneumonia      Normal
## 46: Pnuemonia      Normal      Normal Pneumonia      Normal      Normal      Normal
## 47:      Normal      Normal      Normal      Normal      Normal      Normal      Normal
## 48:      Normal      Normal Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 49:
## 50:      Normal      Normal      Normal      Normal      Normal      Normal Pneumonia
## 51: Pnuemonia      Normal Pneumonia      Normal Pneumonia      Normal Pneumonia
## 52:      Normal      Normal Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 53:      Normal Pneumonia      Normal      Normal Pneumonia      Normal Pneumonia
## 54:      Normal      Normal      Normal Pneumonia      Normal Pneumonia      Normal
## 55:
## 56: Pnuemonia      Normal Pneumonia      Normal      Normal      Normal      Normal
## 57:      Normal      Normal      Normal      Normal      Normal      Normal      Normal
## 58:
## 59:
## 60:
## 61:
## 62:
## 63: Pnuemonia Pneumonia      Normal      Normal Pneumonia      Normal Pneumonia
## 64: Pnuemonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 65:
## 66: Pnuemonia      Normal      Normal Pneumonia      Normal Pneumonia Pneumonia
##          Q13      Q14      Q15      Q16      Q17      Q18      Q19
##          Q20
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:
## 11:
## 12:

```

## 13: Normal  
## 14: Pneumonia  
## 15:  
## 16:  
## 17:  
## 18: Pneumonia  
## 19: Normal  
## 20:  
## 21: Pneumonia  
## 22:  
## 23: Normal  
## 24: Normal  
## 25:  
## 26:  
## 27: Normal  
## 28: Pneumonia  
## 29:  
## 30: Pneumonia  
## 31: Normal  
## 32:  
## 33: Pneumonia  
## 34:  
## 35: Pneumonia  
## 36:  
## 37:  
## 38:  
## 39: Normal  
## 40: Pneumonia  
## 41:  
## 42: Pneumonia  
## 43: Normal  
## 44: Normal  
## 45: Pneumonia  
## 46: Normal  
## 47: Normal  
## 48: Normal  
## 49:  
## 50: Normal  
## 51: Normal  
## 52: Normal  
## 53: Normal  
## 54: Normal  
## 55:  
## 56: Normal  
## 57: Normal  
## 58:  
## 59:  
## 60:  
## 61:  
## 62:  
## 63: Pneumonia  
## 64: Pneumonia  
## 65:  
## 66: Normal

## Q20  
##  
## 1:  
## 2:  
## 3:  
## 4:  
## 5:  
## 6:  
## 7:  
## 8:  
## 9:  
## 10:  
## 11:  
## 12:  
## 13:  
## 14:  
## 15:  
## 16:  
## 17:  
## 18:  
## 19:  
## 20:  
## 21:  
## 22:  
## 23:  
## 24:  
## 25:  
## 26:  
## 27:  
## 28:  
## 29:  
## 30:  
## 31:  
## 32:  
## 33:  
## 34:  
## 35:  
## 36:  
## 37:  
## 38:  
## 39:  
## 40:  
## 41:  
## 42:  
## 43:  
## 44:  
## 45:  
## 46:  
## 47:  
## 48:  
## 49:  
## 50:  
## 51:  
## 52:

```

## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63: I don't like this advertisement at all. Pharmaceutical ads have always seemed very counterintuit
## 64:
## 65:
## 66:
##
##      Control_Phase2_First_ClickTime Control_Phase2_Last_ClickTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:          11.77          90.011
## 36:
## 37:
## 38:

```

```

## 39:
## 40:
## 41:
## 42:
## 43:
## 44:
## 45:          2.581          2.581
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:          9.486          12.895
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:          57.474          171.337
## 64:
## 65:
## 66:          7.469          154.622
##      Control_Phase2_First_ClickTime Control_Phase2_Last_ClickTime
##      Control_Phase2_SubmitTime Control_Phase2_NumClicks      Q21      Q22
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:          Normal Pneumonia
## 15:
## 16:
## 17:
## 18:          Pneumonia Pneumonia
## 19:
## 20:
## 21:          Normal Pneumonia
## 22:
## 23:          Normal Pneumonia
## 24:          Normal      Normal

```



```

## 25:
## 26:
## 27:      Normal Pneumonia
## 28:      Pneumonia Pneumonia
## 29:
## 30:      Normal Pneumonia
## 31:      Pneumonia   Normal
## 32:
## 33:
## 34:
## 35:      91.818      5   Normal   Normal
## 36:
## 37:
## 38:
## 39:
## 40:      Pneumonia Pneumonia
## 41:
## 42:      Normal   Normal
## 43:      Normal   Normal
## 44:      Normal   Normal
## 45:      78.807      1 Pneumonia   Normal
## 46:      Normal   Normal
## 47:      Normal   Normal
## 48:      Normal Pneumonia
## 49:
## 50:      Normal   Normal
## 51:      Normal Pneumonia
## 52:      Normal Pneumonia
## 53:      Normal Pneumonia
## 54:      Pneumonia   Normal
## 55:
## 56:
## 57:      181.397      5
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:      173.193      6   Normal   Normal
## 64:
## 65:
## 66:      157.267      21 Pneumonia   Normal
##      Control_Phase2_SubmitTime Control_Phase2_NumClicks      Q21      Q22
##      Q23      Q24      Q25      Q26      Q27      Q28      Q29
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:

```

```

## 11:
## 12:
## 13:
## 14:    Normal Pneumonia    Normal Pneumonia    Normal    Normal    Normal
## 15:
## 16:
## 17:
## 18: Pneumonia Pneumonia Pneumonia Pneumonia    Normal Pneumonia Pneumonia
## 19:
## 20:
## 21:    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 22:
## 23:    Normal    Normal Pneumonia    Normal    Normal    Normal    Normal
## 24:    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 25:
## 26:
## 27:    Normal    Normal Pneumonia    Normal    Normal Pneumonia    Normal
## 28: Pneumonia    Normal    Normal    Normal    Normal Pneumonia Pneumonia
## 29:
## 30:    Normal Pneumonia    Normal Pneumonia    Normal Pneumonia    Normal
## 31: Pneumonia Pneumonia    Normal Pneumonia    Normal Pneumonia    Normal
## 32:
## 33:
## 34:
## 35:    Normal Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 36:
## 37:
## 38:
## 39:
## 40:    Normal    Normal Pneumonia Pneumonia    Normal Pneumonia Pneumonia
## 41:
## 42: Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia Pneumonia
## 43:    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 44:    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 45: Pneumonia    Normal    Normal    Normal    Normal    Normal Pneumonia
## 46: Pneumonia    Normal    Normal Pneumonia    Normal Pneumonia    Normal
## 47:    Normal    Normal    Normal    Normal    Normal    Normal    Normal
## 48:    Normal Pneumonia    Normal    Normal Pneumonia    Normal    Normal
## 49:
## 50: Pneumonia    Normal    Normal    Normal    Normal    Normal    Normal
## 51:    Normal Pneumonia    Normal Pneumonia    Normal Pneumonia    Normal
## 52: Pneumonia    Normal Pneumonia    Normal    Normal Pneumonia Pneumonia
## 53:    Normal    Normal Pneumonia    Normal Pneumonia    Normal Pneumonia
## 54: Pneumonia    Normal Pneumonia Pneumonia    Normal Pneumonia Pneumonia
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63: Pneumonia    Normal Pneumonia Pneumonia    Normal Pneumonia Pneumonia
## 64:

```

```

## 65:
## 66: Pneumonia      Normal      Normal Pneumonia      Normal Pneumonia Pneumonia
##          Q23          Q24          Q25          Q26          Q27          Q28          Q29
##          Q30
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:
## 11:
## 12:
## 13:
## 14:      Normal
## 15:
## 16:
## 17:
## 18: Pneumonia
## 19:
## 20:
## 21:      Normal
## 22:
## 23: Pneumonia
## 24:      Normal
## 25:
## 26:
## 27: Pneumonia
## 28:      Normal
## 29:
## 30:      Normal
## 31:      Normal
## 32:
## 33:
## 34:
## 35:      Normal
## 36:
## 37:
## 38:
## 39:
## 40: Pneumonia
## 41:
## 42: Pneumonia
## 43:      Normal
## 44:      Normal
## 45:      Normal
## 46: Pneumonia
## 47:      Normal
## 48: Pneumonia
## 49:
## 50:      Normal

```

## 51: Pneumonia  
 ## 52: Normal  
 ## 53: Pneumonia  
 ## 54: Pneumonia  
 ## 55:  
 ## 56:  
 ## 57:  
 ## 58:  
 ## 59:  
 ## 60:  
 ## 61:  
 ## 62:  
 ## 63: Normal  
 ## 64:  
 ## 65:  
 ## 66: Normal  
 ## Q30  
 ##  
 ## 1:  
 ## 2:  
 ## 3:  
 ## 4:  
 ## 5:  
 ## 6:  
 ## 7:  
 ## 8:  
 ## 9:  
 ## 10:  
 ## 11:  
 ## 12:  
 ## 13:  
 ## 14:  
 ## 15:  
 ## 16:  
 ## 17:  
 ## 18:  
 ## 19:  
 ## 20:  
 ## 21:  
 ## 22:  
 ## 23:  
 ## 24:  
 ## 25:  
 ## 26:  
 ## 27:  
 ## 28:  
 ## 29:  
 ## 30:  
 ## 31:  
 ## 32:  
 ## 33:  
 ## 34:  
 ## 35:  
 ## 36:

Q36

```

## 37:
## 38:
## 39: Image 3Correct diagnosis: Pneumonia\nYou chose: ${q://QID6/ChoiceGroup/SelectedChoices}\n
## 40:
## 41:
## 42:
## 43:
## 44: Image 9Correct diagnosis: Pneumonia\nYou chose: ${q://QID20/ChoiceGroup/SelectedChoices}\n
## 45:
## 46:
## 47:
## 48: Image 2Correct diagnosis: Normal\nYou chose: ${q://QID5/ChoiceGroup/SelectedChoices}\n
## 49:
## 50: Image 7Correct diagnosis: Pneumonia\nYou chose ${q://QID18/ChoiceGroup/SelectedChoices}\n
## 51:
## 52:
## 53:
## 54:
## 55:
## 56: Image 5Correct diagnosis: Normal\nYou chose: ${q://QID16/ChoiceGroup/SelectedChoices}\n
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##
##
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:
## 22:

```

Q36

Self\_I

```

## 23:
## 24:
## 25:
## 26:
## 27:
## 28: Assuming the labels are correct, I correctly identified them all. Therefore I could not have don
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42:
## 43:
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:
## 52: good and tech for
## 53:
## 54:
## 55:
## 56: in some images i must been high
## 57:
## 58:
## 59:
## 60:
## 61:
## 62: Anything further would need training. I
## 63:
## 64:
## 65:
## 66: Self_I
## Self_Reflect_Phase1_First_ClickTime Self_Reflect_Phase1_Last_ClickTime
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:

```

## 9:		
## 10:		
## 11:		
## 12:		
## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:		
## 19:		
## 20:		
## 21:		
## 22:		
## 23:		
## 24:		
## 25:		
## 26:		
## 27:		
## 28:	1.524	239.477
## 29:		
## 30:		
## 31:		
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:	5.744	59.953
## 40:		
## 41:		
## 42:		
## 43:		
## 44:	5.661	19.329
## 45:		
## 46:		
## 47:		
## 48:	5.194	14.416
## 49:		
## 50:	16.678	89.216
## 51:		
## 52:	6.893	19.815
## 53:		
## 54:		
## 55:		
## 56:	33.735	118.26
## 57:		
## 58:		
## 59:		
## 60:		
## 61:		
## 62:	31.379	32.37

```

## 63:
## 64:
## 65:
## 66:
##      Self_Reflect_Phase1_First_ClickTime Self_Reflect_Phase1_Last_ClickTime
##      Self_Reflect_Phase1_SubmitTime Self_Reflect_Phase1_NumClicks
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:
## 25:
## 26:
## 27:
## 28:          240.018          118
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:          219.364          5
## 40:
## 41:
## 42:
## 43:
## 44:          94.833          6
## 45:
## 46:
## 47:
## 48:          240.122          3

```



```

## 49:
## 50:          92.535          2
## 51:
## 52:          240.017         2
## 53:
## 54:
## 55:
## 56:          138.308         8
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:          113.497         2
## 63:
## 64:
## 65:
## 66:
##      Self_Reflect_Phase1_SubmitTime Self_Reflect_Phase1_NumClicks
##
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:

```

Q41

## 35:  
 ## 36:  
 ## 37:  
 ## 38:  
 ## 39: Image 20Correct diagnosis: Normal\nYou chose: \${q://QID27/ChoiceGroup/SelectedChoices}\n  
 ## 40:  
 ## 41:  
 ## 42:  
 ## 43:  
 ## 44: Image 17Correct diagnosis: Pneumonia\nYou chose: \${q://QID24/ChoiceGroup/SelectedChoices}\n  
 ## 45:  
 ## 46:  
 ## 47:  
 ## 48: Image 12Correct diagnosis: Normal\nYou chose: \${q://QID9/ChoiceGroup/SelectedChoices}  
 ## 49:  
 ## 50: Image 19Correct diagnosis: PneumoniaYou chose: \${q://QID26/ChoiceGroup/SelectedChoices}  
 ## 51:  
 ## 52: Image 17Correct diagnosis: Pneumonia\nYou chose: \${q://QID24/ChoiceGroup/SelectedChoices}\n  
 ## 53:  
 ## 54:  
 ## 55:  
 ## 56: Image 14Correct diagnosis: Pneumonia\nYou chose: \${q://QID11/ChoiceGroup/SelectedChoices}\n  
 ## 57:  
 ## 58:  
 ## 59:  
 ## 60:  
 ## 61:  
 ## 62:  
 ## 63:  
 ## 64:  
 ## 65:  
 ## 66:  
 ##  
 ##  
 ## 1:  
 ## 2:  
 ## 3:  
 ## 4:  
 ## 5:  
 ## 6:  
 ## 7:  
 ## 8:  
 ## 9:  
 ## 10:  
 ## 11:  
 ## 12:  
 ## 13:  
 ## 14:  
 ## 15:  
 ## 16:  
 ## 17:  
 ## 18:  
 ## 19:  
 ## 20:

Q41

```

## 21:
## 22:
## 23:
## 24:
## 25:
## 26:
## 27:
## 28: Some of the normal are looking like the ones with pneumonia. While I could have technically done
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42:
## 43:
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##
##      Self_Reflect_Phase2_First_ClickTime Self_Reflect_Phase2_Last_ClickTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:

```

## 7:		
## 8:		
## 9:		
## 10:		
## 11:		
## 12:		
## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:		
## 19:		
## 20:		
## 21:		
## 22:		
## 23:		
## 24:		
## 25:		
## 26:		
## 27:		
## 28:	1.553	114.198
## 29:		
## 30:		
## 31:		
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:	5.558	19.539
## 40:		
## 41:		
## 42:		
## 43:		
## 44:	6.333	11.82
## 45:		
## 46:		
## 47:		
## 48:	2.905	8.984
## 49:		
## 50:	6.115	8.188
## 51:		
## 52:	0	0
## 53:		
## 54:		
## 55:		
## 56:	8.926	14.603
## 57:		
## 58:		
## 59:		
## 60:		

```

## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Self_Reflect_Phase2_First_ClickTime Self_Reflect_Phase2_Last_ClickTime
##      Self_Reflect_Phase2_SubmitTime Self_Reflect_Phase2_NumClicks
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:
## 25:
## 26:
## 27:
## 28:          116.173          28
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:          158.487          4
## 40:
## 41:
## 42:
## 43:
## 44:          98.433          5
## 45:
## 46:

```

```

## 47:
## 48:          99.545          2
## 49:
## 50:          103.558         2
## 51:
## 52:          240.022         0
## 53:
## 54:
## 55:
## 56:          94.976          3
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Self_Reflect_Phase2_SubmitTime Self_Reflect_Phase2_NumClicks
##
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:
## 11:
## 12: Image 6Correct diagnosis: Pneumonia\nYou chose: ${q://QID17/ChoiceGroup/SelectedChoices}\n
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:      Image 10 Correct diagnosis: NormalYou chose: ${q://QID21/ChoiceGroup/SelectedChoices}
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:      Image 1Correct diagnosis: Normal\nYou chose: ${q://QID1/ChoiceGroup/SelectedChoices}\n
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:

```

Q38

```

## 33:      Image 4Correct diagnosis: PneumoniaYou chose: ${q://QID7/ChoiceGroup/SelectedChoices}
## 34:
## 35:
## 36:
## 37:
## 38:      Image 2Correct diagnosis: Normal\nYou chose: ${q://QID5/ChoiceGroup/SelectedChoices}\n
## 39:
## 40:
## 41:
## 42:      Image 10 Correct diagnosis: NormalYou chose: ${q://QID21/ChoiceGroup/SelectedChoices}
## 43:
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:      Image 3Correct diagnosis: Pneumonia\nYou chose: ${q://QID6/ChoiceGroup/SelectedChoices}\n
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##
##      Medical_Feedback_Phase1_First_ClickTime
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:
## 11:
## 12:      12.629
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:      14.847

```

Q38

```

## 19:
## 20:
## 21:
## 22:
## 23:
## 24:          3.13
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:          1.469
## 34:
## 35:
## 36:
## 37:
## 38:          16.18
## 39:
## 40:
## 41:          0
## 42:          0.362
## 43:
## 44:
## 45:
## 46:          0
## 47:
## 48:
## 49:
## 50:
## 51:          1.684
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Medical_Feedback_Phase1_First_ClickTime
##      Medical_Feedback_Phase1_Last_ClickTime Medical_Feedback_Phase1_SubmitTime
## 1:
## 2:
## 3:
## 4:

```



## 5:		
## 6:		
## 7:		
## 8:		
## 9:		
## 10:		
## 11:		
## 12:	12.629	240.085
## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:	65.245	107.49
## 19:		
## 20:		
## 21:		
## 22:		
## 23:		
## 24:	3.13	93.202
## 25:		
## 26:		
## 27:		
## 28:		
## 29:		
## 30:		
## 31:		
## 32:		
## 33:	16.183	241.431
## 34:		
## 35:		
## 36:		
## 37:		
## 38:	165.278	240.081
## 39:		
## 40:		
## 41:	0	242.446
## 42:	13.623	119.581
## 43:		
## 44:		
## 45:		
## 46:	0	95.466
## 47:		
## 48:		
## 49:		
## 50:		
## 51:	12.923	217.893
## 52:		
## 53:		
## 54:		
## 55:		
## 56:		
## 57:		
## 58:		

```

## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Medical_Feedback_Phase1_Last_ClickTime Medical_Feedback_Phase1_SubmitTime
##      Medical_Feedback_Phase1_NumClicks
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:          1
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:          5
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:          1
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:          8
## 34:
## 35:
## 36:
## 37:
## 38:         29
## 39:
## 40:
## 41:          0
## 42:          2
## 43:
## 44:

```

```

## 45:
## 46:          0
## 47:
## 48:
## 49:
## 50:
## 51:          6
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Medical_Feedback_Phase1_NumClicks
##
##      1:
##      2:
##      3:
##      4:
##      5:
##      6:
##      7:
##      8:
##      9:
##     10:
##     11:
##     12:
##     13:
##     14:
##     15:
##     16:
##     17:
##     18:      Image 16Correct diagnosis: NormalYou chose: ${q://QID23/ChoiceGroup/SelectedChoices}
##     19:
##     20:
##     21:
##     22:
##     23:
##     24:      Image 12Correct diagnosis: Normal\nYou chose: ${q://QID9/ChoiceGroup/SelectedChoices}\n
##     25:
##     26:
##     27:
##     28:
##     29:
##     30:

```

Q43

```

## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42: Image 20Correct diagnosis: Normal\nYou chose: ${q://QID27/ChoiceGroup/SelectedChoices}\n
## 43:
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51: Image 13Correct diagnosis: PneumoniaYou chose: ${q://QID10/ChoiceGroup/SelectedChoices}
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##
## Medical_Feedback_Phase2_First_ClickTime
## 1:
## 2:
## 3:
## 4:
## 5:
## 6:
## 7:
## 8:
## 9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:

```

Q43

```

## 17:
## 18:                24.852
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:                0
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:                0
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42:                2.931
## 43:
## 44:
## 45:
## 46:                0
## 47:
## 48:
## 49:
## 50:
## 51:                12.239
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Medical_Feedback_Phase2_First_ClickTime
##      Medical_Feedback_Phase2_Last_ClickTime Medical_Feedback_Phase2_SubmitTime
## 1:
## 2:

```

## 3:		
## 4:		
## 5:		
## 6:		
## 7:		
## 8:		
## 9:		
## 10:		
## 11:		
## 12:		
## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:	27.284	125.988
## 19:		
## 20:		
## 21:		
## 22:		
## 23:		
## 24:	0	93.538
## 25:		
## 26:		
## 27:		
## 28:		
## 29:		
## 30:		
## 31:		
## 32:		
## 33:	0	241.124
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:		
## 40:		
## 41:		
## 42:	7.755	100.644
## 43:		
## 44:		
## 45:		
## 46:	0	116.459
## 47:		
## 48:		
## 49:		
## 50:		
## 51:	12.239	109.332
## 52:		
## 53:		
## 54:		
## 55:		
## 56:		

```

## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Medical_Feedback_Phase2_Last_ClickTime Medical_Feedback_Phase2_SubmitTime
##      Medical_Feedback_Phase2_NumClicks Q45
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:
## 15:
## 16:
## 17:
## 18:                2
## 19:
## 20:
## 21:
## 22:
## 23:
## 24:                0
## 25:
## 26:
## 27:
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:                0
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:
## 41:
## 42:                2

```

```

## 43:
## 44:
## 45:
## 46:          0
## 47:
## 48:
## 49:
## 50:
## 51:          1
## 52:
## 53:
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Medical_Feedback_Phase2_NumClicks Q45
##      Positive_Images_Phase1_First_ClickTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:          0.398
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:          2.745
## 22:
## 23:          1.861
## 24:
## 25:
## 26:
## 27:          8.318
## 28:

```



```

## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:          23.036
## 41:
## 42:
## 43:
## 44:
## 45:
## 46:
## 47:          3.905
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:
## 54:          3.409
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:          3.443
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Positive_Images_Phase1_First_ClickTime
##      Positive_Images_Phase1_Last_ClickTime Positive_Images_Phase1_SubmitTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:          6.472          53.221

```

## 15:		
## 16:		
## 17:		
## 18:		
## 19:		
## 20:		
## 21:	2.745	96.864
## 22:		
## 23:	49.752	52.884
## 24:		
## 25:		
## 26:		
## 27:	47.749	50.406
## 28:		
## 29:		
## 30:		
## 31:		
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:		
## 40:	38.5	47.077
## 41:		
## 42:		
## 43:		
## 44:		
## 45:		
## 46:		
## 47:	11.385	46.374
## 48:		
## 49:		
## 50:		
## 51:		
## 52:		
## 53:		
## 54:	18.705	54.421
## 55:		
## 56:		
## 57:		
## 58:		
## 59:		
## 60:	3.443	120.014
## 61:		
## 62:		
## 63:		
## 64:		
## 65:		
## 66:		
##	Positive_Images_Phase1_Last_ClickTime	Positive_Images_Phase1_SubmitTime
##	Positive_Images_Phase1_NumClicks Q47	Positive_Images_Phase2_First_ClickTime

## 1:		
## 2:		
## 3:		
## 4:		
## 5:		
## 6:		
## 7:		
## 8:		
## 9:		
## 10:		
## 11:		
## 12:		
## 13:		
## 14:	2	9.494
## 15:		
## 16:		
## 17:		
## 18:		
## 19:		
## 20:		
## 21:	1	22.18
## 22:		
## 23:	6	4.094
## 24:		
## 25:		
## 26:		
## 27:	4	22.991
## 28:		
## 29:		
## 30:		
## 31:		
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:		
## 40:	4	5.707
## 41:		
## 42:		
## 43:		
## 44:		
## 45:		
## 46:		
## 47:	5	0
## 48:		
## 49:		
## 50:		
## 51:		
## 52:		
## 53:		
## 54:	3	7.334

```

## 55:
## 56:
## 57:
## 58:
## 59:
## 60:          1
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Positive_Images_Phase1_NumClicks Q47 Positive_Images_Phase2_First_ClickTime
##      Positive_Images_Phase2_Last_ClickTime Positive_Images_Phase2_SubmitTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:          23.867          48.188
## 15:
## 16:
## 17:
## 18:
## 19:
## 20:
## 21:          22.18          51.723
## 22:
## 23:          4.094          47.1
## 24:
## 25:
## 26:
## 27:          30.422          56.22
## 28:
## 29:
## 30:
## 31:
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:          5.707          55.563

```

```

## 41:
## 42:
## 43:
## 44:
## 45:
## 46:
## 47:          0          51.788
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:
## 54:          7.334          52.244
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:
## 65:
## 66:
##      Positive_Images_Phase2_Last_ClickTime Positive_Images_Phase2_SubmitTime
##      Positive_Images_Phase2_NumClicks Q46 Negative_Images_Phase1_First_ClickTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:
## 13:
## 14:          2
## 15:
## 16:
## 17:
## 18:
## 19:          9.911
## 20:
## 21:          1
## 22:
## 23:          1
## 24:
## 25:
## 26:

```

```

## 27:          3
## 28:
## 29:
## 30:          3.064
## 31:          46.795
## 32:
## 33:
## 34:
## 35:
## 36:
## 37:
## 38:
## 39:
## 40:          1
## 41:
## 42:
## 43:          64.527
## 44:
## 45:
## 46:
## 47:          0
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:          2.895
## 54:          1
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:          25.396
## 65:
## 66:
##      Positive_Images_Phase2_NumClicks Q46 Negative_Images_Phase1_First_ClickTime
##      Negative_Images_Phase1_Last_ClickTime Negative_Images_Phase1_SubmitTime
##  1:
##  2:
##  3:
##  4:
##  5:
##  6:
##  7:
##  8:
##  9:
## 10:
## 11:
## 12:

```

## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:		
## 19:	16.784	120.12
## 20:		
## 21:		
## 22:		
## 23:		
## 24:		
## 25:		
## 26:		
## 27:		
## 28:		
## 29:		
## 30:	3.064	116.301
## 31:	119.014	120.105
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:		
## 40:		
## 41:		
## 42:		
## 43:	64.527	66.576
## 44:		
## 45:		
## 46:		
## 47:		
## 48:		
## 49:		
## 50:		
## 51:		
## 52:		
## 53:	5	120.019
## 54:		
## 55:		
## 56:		
## 57:		
## 58:		
## 59:		
## 60:		
## 61:		
## 62:		
## 63:		
## 64:	32.427	55.148
## 65:		
## 66:		

	Negative_Images_Phase1_Last_ClickTime	Negative_Images_Phase1_SubmitTime
	Negative_Images_Phase1_NumClicks	Q48 Negative_Images_Phase2_First_ClickTime
## 1:		
## 2:		
## 3:		
## 4:		
## 5:		
## 6:		
## 7:		
## 8:		
## 9:		
## 10:		
## 11:		
## 12:		
## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:		
## 19:	2	19.215
## 20:		
## 21:		
## 22:		
## 23:		
## 24:		
## 25:		
## 26:		
## 27:		
## 28:		
## 29:		
## 30:	1	4.642
## 31:	9	4.886
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		
## 39:		
## 40:		
## 41:		
## 42:		
## 43:	1	34.484
## 44:		
## 45:		
## 46:		
## 47:		
## 48:		
## 49:		
## 50:		
## 51:		
## 52:		



## 53:	2	3.048
## 54:		
## 55:		
## 56:		
## 57:		
## 58:		
## 59:		
## 60:		
## 61:		
## 62:		
## 63:		
## 64:	4	12.483
## 65:		
## 66:		
##	Negative_Images_Phase1_NumClicks Q48 Negative_Images_Phase2_First_ClickTime	
##	Negative_Images_Phase2_Last_ClickTime Negative_Images_Phase2_SubmitTime	
## 1:		
## 2:		
## 3:		
## 4:		
## 5:		
## 6:		
## 7:		
## 8:		
## 9:		
## 10:		
## 11:		
## 12:		
## 13:		
## 14:		
## 15:		
## 16:		
## 17:		
## 18:		
## 19:	38.245	48.54
## 20:		
## 21:		
## 22:		
## 23:		
## 24:		
## 25:		
## 26:		
## 27:		
## 28:		
## 29:		
## 30:	4.642	49.312
## 31:	7.142	121.812
## 32:		
## 33:		
## 34:		
## 35:		
## 36:		
## 37:		
## 38:		

```

## 39:
## 40:
## 41:
## 42:
## 43:          57.765          70.859
## 44:
## 45:
## 46:
## 47:
## 48:
## 49:
## 50:
## 51:
## 52:
## 53:          4.559          60.555
## 54:
## 55:
## 56:
## 57:
## 58:
## 59:
## 60:
## 61:
## 62:
## 63:
## 64:          12.483          121.127
## 65:
## 66:
##      Negative_Images_Phase2_Last_ClickTime Negative_Images_Phase2_SubmitTime
##      Negative_Images_Phase2_NumClicks Total_Score Random ID Assignment Q1_Score
##  1:                                     78619                                0
##  2:                                     94518                                0
##  3:                  5          12173          FL_41                        0
##  4:                                     61686                                0
##  5:                                     89107                                0
##  6:                                     36197                                0
##  7:                  5          40128          FL_17                        1
##  8:                  7          79803          FL_14                        1
##  9:                                     63983                                0
## 10:                                     66745                                0
## 11:                                     12741                                0
## 12:                  6          17193          FL_15                        1
## 13:                 17          93923          FL_17                        1
## 14:                 17          27390          FL_16                        1
## 15:                  5          56200          FL_14                        0
## 16:                  9          29689          FL_41                        1
## 17:                                     36480                                0
## 18:                 16          18098          FL_15                        0
## 19:                  5                 11          90426          FL_41                        0
## 20:                  9          48390          FL_41                        1
## 21:                 11          50866          FL_16                        1
## 22:                                     20328                                0
## 23:                 17          88536          FL_16                        1
## 24:                 15          88031          FL_15                        1

```

## 25:		7	43757	FL_17	1				
## 26:		5	82797	FL_17	0				
## 27:		11	90545	FL_16	1				
## 28:		22	34468	FL_14	1				
## 29:		6	84216	FL_14	0				
## 30:	1	14	77226	FL_41	1				
## 31:	2	20	17032	FL_41	0				
## 32:		4	44325	FL_14	1				
## 33:		13	71018	FL_15	1				
## 34:		5	64591	FL_14	0				
## 35:		11	92815	FL_17	0				
## 36:		6	47617	FL_14	1				
## 37:		4	59942	FL_16	0				
## 38:		8	67012	FL_15	1				
## 39:		10	17527	FL_14	1				
## 40:		18	59767	FL_16	1				
## 41:		4	80738	FL_15	0				
## 42:		17	81074	FL_15	1				
## 43:	5	14	13692	FL_41	0				
## 44:		15	81700	FL_14	1				
## 45:		13	14645	FL_17	1				
## 46:		13	56914	FL_15	0				
## 47:		15	18729	FL_16	1				
## 48:		12	43881	FL_14	1				
## 49:		10	81942	FL_17	1				
## 50:		19	67952	FL_14	1				
## 51:		18	71920	FL_15	1				
## 52:		12	84924	FL_14	1				
## 53:	2	16	71997	FL_41	1				
## 54:		8	99649	FL_16	0				
## 55:			70350		0				
## 56:		13	35827	FL_14	1				
## 57:		10	99381	FL_17	1				
## 58:		5	50073	FL_17	1				
## 59:			58117		0				
## 60:		5	88587	FL_16	1				
## 61:			85808		0				
## 62:		7	58239	FL_14	1				
## 63:		24	23526	FL_17	1				
## 64:	1	12	55752	FL_41	0				
## 65:			85086		0				
## 66:		17	46436	FL_17	0				
##	Negative_Images_Phase2_NumClicks Total_Score Random ID Assignment Q1_Score								
##	Q2_Score Q3_Score Q4_Score Q5_Score Q6_Score Q7_Score Q8_Score Q9_Score								
## 1:	0	0	0	0	0	0	0	0	
## 2:	0	0	0	0	0	0	0	0	
## 3:	1	1	0	0	1	0	1	1	
## 4:	0	0	0	0	0	0	0	0	
## 5:	0	0	0	0	0	0	0	0	
## 6:	0	0	0	0	0	0	0	0	
## 7:	0	0	1	1	0	1	0	0	
## 8:	0	1	0	0	1	1	1	1	
## 9:	0	0	0	0	0	0	0	0	
## 10:	0	0	0	0	0	0	0	0	

## 11:	0	0	0	0	0	0	0	0
## 12:	0	1	0	0	0	1	1	1
## 13:	0	1	1	1	1	1	1	1
## 14:	1	0	1	1	0	1	1	1
## 15:	0	1	1	0	1	1	0	1
## 16:	1	1	1	0	1	1	1	1
## 17:	0	0	0	0	0	0	0	0
## 18:	0	1	1	1	1	1	0	1
## 19:	1	0	0	1	0	0	1	0
## 20:	1	1	0	1	1	1	1	1
## 21:	0	0	1	0	0	0	0	0
## 22:	0	0	0	0	0	0	0	0
## 23:	1	1	0	1	0	1	1	0
## 24:	1	0	0	1	0	0	1	0
## 25:	1	0	0	1	1	1	0	1
## 26:	0	1	1	0	1	1	0	1
## 27:	0	0	0	0	0	1	1	0
## 28:	1	1	1	1	1	1	1	1
## 29:	0	0	1	0	1	1	1	1
## 30:	0	0	1	1	1	0	1	1
## 31:	0	1	1	1	1	1	0	0
## 32:	0	1	0	1	0	0	0	0
## 33:	1	1	0	0	0	1	1	0
## 34:	0	1	1	0	1	1	0	1
## 35:	0	0	1	0	0	0	0	0
## 36:	0	0	1	0	1	1	1	1
## 37:	0	1	0	1	0	0	0	1
## 38:	1	1	1	0	1	1	1	1
## 39:	0	0	1	1	0	1	1	1
## 40:	1	1	1	1	1	0	0	1
## 41:	1	1	1	0	0	1	0	0
## 42:	0	0	1	0	0	0	1	0
## 43:	0	0	0	1	0	1	0	1
## 44:	1	0	0	1	0	0	1	0
## 45:	1	0	0	1	0	1	1	1
## 46:	0	0	0	0	0	1	1	0
## 47:	1	0	0	1	0	0	1	0
## 48:	1	0	0	1	0	0	1	0
## 49:	1	1	1	1	1	1	1	1
## 50:	0	0	1	1	1	0	1	1
## 51:	1	0	1	1	1	1	0	0
## 52:	0	1	0	0	0	0	0	0
## 53:	0	0	1	1	1	0	0	0
## 54:	0	0	0	0	0	0	0	0
## 55:	0	0	0	0	0	0	0	0
## 56:	1	0	1	0	1	1	1	1
## 57:	1	0	0	1	0	0	1	0
## 58:	0	0	1	1	1	0	0	0
## 59:	0	0	0	0	0	0	0	0
## 60:	1	1	0	0	1	0	0	1
## 61:	0	0	0	0	0	0	0	0
## 62:	0	1	0	0	1	1	1	1
## 63:	1	1	0	0	1	1	1	1
## 64:	0	1	0	0	1	1	1	1

## 65:	0	0	0	0	0	0	0
## 66:	1	1	0	1	0	1	1
##	Q2_Score	Q3_Score	Q4_Score	Q5_Score	Q6_Score	Q7_Score	Q8_Score
##	Q9_Score	Q10_Score	Q11_Score	Q12_Score	Q13_Score	Q14_Score	Q15_Score
##	Q16_Score						
## 1:	0	0	0	0	0	0	0
## 2:	0	0	0	0	0	0	0
## 3:	0	0	0	0	0	0	0
## 4:	0	0	0	0	0	0	0
## 5:	0	0	0	0	0	0	0
## 6:	0	0	0	0	0	0	0
## 7:	1	0	0	0	0	0	0
## 8:	1	0	0	0	0	0	0
## 9:	0	0	0	0	0	0	0
## 10:	0	0	0	0	0	0	0
## 11:	0	0	0	0	0	0	0
## 12:	1	0	0	0	0	0	0
## 13:	1	1	1	0	1	1	0
## 14:	0	1	1	0	1	0	0
## 15:	0	0	0	0	0	0	0
## 16:	1	0	0	0	0	0	0
## 17:	0	0	0	0	0	0	0
## 18:	0	1	0	0	1	0	1
## 19:	1	1	1	0	0	1	1
## 20:	1	0	0	0	0	0	0
## 21:	0	0	0	0	1	0	1
## 22:	0	0	0	0	0	0	0
## 23:	1	0	1	0	0	1	1
## 24:	1	0	1	0	0	1	1
## 25:	1	0	0	0	0	0	0
## 26:	0	0	0	0	0	0	0
## 27:	0	0	0	0	1	1	0
## 28:	1	1	1	0	1	1	1
## 29:	1	0	0	0	0	0	0
## 30:	1	0	0	0	1	1	0
## 31:	0	1	0	0	1	1	1
## 32:	1	0	0	0	0	0	0
## 33:	1	1	0	0	1	1	1
## 34:	0	0	0	0	0	0	0
## 35:	0	0	1	0	1	0	0
## 36:	0	0	0	0	0	0	0
## 37:	1	0	0	0	0	0	0
## 38:	0	0	0	0	0	0	0
## 39:	1	0	0	0	1	1	0
## 40:	1	1	0	0	1	0	1
## 41:	0	0	0	0	0	0	0
## 42:	1	0	1	0	0	1	1
## 43:	1	0	1	0	0	1	1
## 44:	1	0	1	0	0	1	1
## 45:	1	0	0	0	1	1	0
## 46:	0	0	0	0	0	1	0
## 47:	1	0	1	0	0	1	1
## 48:	1	1	0	0	0	0	0
## 49:	1	0	0	0	0	0	0
## 50:	1	0	1	0	0	1	1

## 51:	0	1	1	0	0	0	1
## 52:	0	0	1	0	0	0	0
## 53:	1	0	0	0	1	1	1
## 54:	0	0	0	0	0	1	0
## 55:	0	0	0	0	0	0	0
## 56:	1	0	1	0	0	0	1
## 57:	1	0	1	0	0	1	1
## 58:	1	0	0	0	0	0	0
## 59:	0	0	0	0	0	0	0
## 60:	0	0	0	0	0	0	0
## 61:	0	0	0	0	0	0	0
## 62:	1	0	0	0	0	0	0
## 63:	1	0	1	0	1	1	1
## 64:	1	1	1	0	1	0	0
## 65:	0	0	0	0	0	0	0
## 66:	1	0	0	0	0	1	0
##	Q10_Score	Q11_Score	Q12_Score	Q13_Score	Q14_Score	Q15_Score	Q16_Score
##	Q17_Score	Q18_Score	Q19_Score	Q20_Score	Q21_Score	Q22_Score	Q23_Score
## 1:	0	0	0	0	0	0	0
## 2:	0	0	0	0	0	0	0
## 3:	0	0	0	0	0	0	0
## 4:	0	0	0	0	0	0	0
## 5:	0	0	0	0	0	0	0
## 6:	0	0	0	0	0	0	0
## 7:	0	0	0	0	0	0	0
## 8:	0	0	0	0	0	0	0
## 9:	0	0	0	0	0	0	0
## 10:	0	0	0	0	0	0	0
## 11:	0	0	0	0	0	0	0
## 12:	0	0	0	0	0	0	0
## 13:	1	1	1	1	0	0	0
## 14:	1	0	1	0	1	0	0
## 15:	0	0	0	0	0	0	0
## 16:	0	0	0	0	0	0	0
## 17:	0	0	0	0	0	0	0
## 18:	1	0	1	0	0	0	1
## 19:	1	1	0	1	0	0	0
## 20:	0	0	0	0	0	0	0
## 21:	1	0	1	0	1	0	0
## 22:	0	0	0	0	0	0	0
## 23:	0	1	0	1	1	0	0
## 24:	0	1	0	1	1	1	0
## 25:	0	0	0	0	0	0	0
## 26:	0	0	0	0	0	0	0
## 27:	0	0	0	1	1	0	0
## 28:	1	0	1	0	0	0	1
## 29:	0	0	0	0	0	0	0
## 30:	0	0	0	0	1	0	0
## 31:	1	1	1	1	0	1	1
## 32:	0	0	0	0	0	0	0
## 33:	1	0	1	0	0	0	0
## 34:	0	0	0	0	0	0	0
## 35:	0	0	1	0	1	1	0
## 36:	0	0	0	0	0	0	0

## 37:	0	0	0	0	0	0	0
## 38:	0	0	0	0	0	0	0
## 39:	0	0	0	1	0	0	0
## 40:	1	0	1	0	0	0	0
## 41:	0	0	0	0	0	0	0
## 42:	1	1	1	0	1	1	1
## 43:	0	1	0	1	1	1	0
## 44:	0	1	0	1	1	1	0
## 45:	0	0	0	0	0	1	1
## 46:	0	1	0	1	1	1	1
## 47:	0	1	0	1	1	1	0
## 48:	1	0	1	1	1	0	0
## 49:	0	0	0	0	0	0	0
## 50:	0	1	1	1	1	1	1
## 51:	1	1	1	1	1	0	0
## 52:	1	0	1	1	1	0	1
## 53:	1	1	1	1	1	0	0
## 54:	0	0	0	1	0	1	1
## 55:	0	0	0	0	0	0	0
## 56:	0	1	0	1	0	0	0
## 57:	0	1	0	1	0	0	0
## 58:	0	0	0	0	0	0	0
## 59:	0	0	0	0	0	0	0
## 60:	0	0	0	0	0	0	0
## 61:	0	0	0	0	0	0	0
## 62:	0	0	0	0	0	0	0
## 63:	1	1	1	0	1	1	1
## 64:	1	0	1	0	0	0	0
## 65:	0	0	0	0	0	0	0
## 66:	0	0	1	1	0	1	1
##	Q17_Score	Q18_Score	Q19_Score	Q20_Score	Q21_Score	Q22_Score	Q23_Score
##	Q24_Score	Q25_Score	Q26_Score	Q27_Score	Q28_Score	Q29_Score	Q30_Score
## 1:	0	0	0	0	0	0	0
## 2:	0	0	0	0	0	0	0
## 3:	0	0	0	0	0	0	0
## 4:	0	0	0	0	0	0	0
## 5:	0	0	0	0	0	0	0
## 6:	0	0	0	0	0	0	0
## 7:	0	0	0	0	0	0	0
## 8:	0	0	0	0	0	0	0
## 9:	0	0	0	0	0	0	0
## 10:	0	0	0	0	0	0	0
## 11:	0	0	0	0	0	0	0
## 12:	0	0	0	0	0	0	0
## 13:	0	0	0	0	0	0	0
## 14:	0	0	1	0	0	1	1
## 15:	0	0	0	0	0	0	0
## 16:	0	0	0	0	0	0	0
## 17:	0	0	0	0	0	0	0
## 18:	0	1	1	0	1	0	0
## 19:	0	0	0	0	0	0	0
## 20:	0	0	0	0	0	0	0
## 21:	1	0	0	0	0	1	1
## 22:	0	0	0	0	0	0	0

## 23:	1	1	0	0	0	1	0
## 24:	1	0	0	0	0	1	1
## 25:	0	0	0	0	0	0	0
## 26:	0	0	0	0	0	0	0
## 27:	1	1	0	0	1	1	0
## 28:	1	0	0	0	1	0	1
## 29:	0	0	0	0	0	0	0
## 30:	0	0	1	0	1	1	1
## 31:	0	0	1	0	1	1	1
## 32:	0	0	0	0	0	0	0
## 33:	0	0	0	0	0	0	0
## 34:	0	0	0	0	0	0	0
## 35:	0	1	1	1	1	0	1
## 36:	0	0	0	0	0	0	0
## 37:	0	0	0	0	0	0	0
## 38:	0	0	0	0	0	0	0
## 39:	0	0	0	0	0	0	0
## 40:	1	1	1	0	1	0	0
## 41:	0	0	0	0	0	0	0
## 42:	0	1	1	1	1	0	0
## 43:	1	0	0	0	0	1	1
## 44:	1	0	0	0	0	1	1
## 45:	1	0	0	0	0	0	1
## 46:	1	0	1	0	1	1	0
## 47:	1	0	0	0	0	1	1
## 48:	0	0	0	1	0	1	0
## 49:	0	0	0	0	0	0	0
## 50:	1	0	0	0	0	1	1
## 51:	0	0	1	0	1	1	0
## 52:	1	1	0	0	1	0	1
## 53:	1	1	0	1	0	0	0
## 54:	1	1	1	0	1	0	0
## 55:	0	0	0	0	0	0	0
## 56:	0	0	0	0	0	0	0
## 57:	0	0	0	0	0	0	0
## 58:	0	0	0	0	0	0	0
## 59:	0	0	0	0	0	0	0
## 60:	0	0	0	0	0	0	0
## 61:	0	0	0	0	0	0	0
## 62:	0	0	0	0	0	0	0
## 63:	1	1	1	0	1	0	1
## 64:	0	0	0	0	0	0	0
## 65:	0	0	0	0	0	0	0
## 66:	1	0	1	0	1	0	1
##	Q24_Score Q25_Score Q26_Score Q27_Score Q28_Score Q29_Score Q30_Score						
##	Assignment_Group TaskPhase1_Score TaskPhase2_Score TaskPhase3_Score						
## 1:	Negative Images		0.0		0.0		0.0
## 2:	Negative Images		0.0		0.0		0.0
## 3:	Negative Images		0.5		0.0		0.0
## 4:	Negative Images		0.0		0.0		0.0
## 5:	Negative Images		0.0		0.0		0.0
## 6:	Negative Images		0.0		0.0		0.0
## 7:	Control		0.5		0.0		0.0
## 8:	Self-Reflect		0.7		0.0		0.0



## 9:	Negative Images	0.0	0.0	0.0
## 10:	Negative Images	0.0	0.0	0.0
## 11:	Negative Images	0.0	0.0	0.0
## 12:	Medical Feedback	0.6	0.0	0.0
## 13:	Control	0.9	0.8	0.0
## 14:	Positive Images	0.7	0.5	0.4
## 15:	Self-Reflect	0.5	0.0	0.0
## 16:	Negative Images	0.9	0.0	0.0
## 17:	Negative Images	0.0	0.0	0.0
## 18:	Medical Feedback	0.6	0.5	0.4
## 19:	Negative Images	0.4	0.7	0.0
## 20:	Negative Images	0.9	0.0	0.0
## 21:	Positive Images	0.2	0.4	0.4
## 22:	Negative Images	0.0	0.0	0.0
## 23:	Positive Images	0.7	0.5	0.4
## 24:	Medical Feedback	0.5	0.5	0.5
## 25:	Control	0.7	0.0	0.0
## 26:	Control	0.5	0.0	0.0
## 27:	Positive Images	0.3	0.3	0.5
## 28:	Self-Reflect	1.0	0.7	0.4
## 29:	Self-Reflect	0.6	0.0	0.0
## 30:	Negative Images	0.7	0.2	0.5
## 31:	Negative Images	0.5	0.8	0.6
## 32:	Self-Reflect	0.4	0.0	0.0
## 33:	Medical Feedback	0.6	0.6	0.0
## 34:	Self-Reflect	0.5	0.0	0.0
## 35:	Control	0.1	0.3	0.7
## 36:	Self-Reflect	0.6	0.0	0.0
## 37:	Positive Images	0.4	0.0	0.0
## 38:	Medical Feedback	0.8	0.0	0.0
## 39:	Self-Reflect	0.7	0.3	0.0
## 40:	Positive Images	0.8	0.5	0.4
## 41:	Medical Feedback	0.4	0.0	0.0
## 42:	Medical Feedback	0.4	0.6	0.7
## 43:	Negative Images	0.4	0.5	0.5
## 44:	Self-Reflect	0.5	0.5	0.5
## 45:	Control	0.7	0.2	0.4
## 46:	Medical Feedback	0.2	0.3	0.7
## 47:	Positive Images	0.5	0.5	0.5
## 48:	Self-Reflect	0.5	0.4	0.3
## 49:	Control	1.0	0.0	0.0
## 50:	Self-Reflect	0.7	0.6	0.6
## 51:	Medical Feedback	0.6	0.7	0.4
## 52:	Self-Reflect	0.2	0.4	0.6
## 53:	Negative Images	0.5	0.7	0.4
## 54:	Positive Images	0.0	0.2	0.6
## 55:	Negative Images	0.0	0.0	0.0
## 56:	Self-Reflect	0.8	0.4	0.0
## 57:	Control	0.5	0.5	0.0
## 58:	Control	0.5	0.0	0.0
## 59:	Negative Images	0.0	0.0	0.0
## 60:	Positive Images	0.5	0.0	0.0
## 61:	Negative Images	0.0	0.0	0.0
## 62:	Self-Reflect	0.7	0.0	0.0

```
## 63:      Control      0.8      0.7      0.8
## 64: Negative Images      0.6      0.5      0.0
## 65: Negative Images      0.0      0.0      0.0
## 66:      Control      0.7      0.3      0.6
##      Assignment_Group TaskPhase1_Score TaskPhase2_Score TaskPhase3_Score
d_attrition[ , (as.numeric(Progress))]
```

```
## [1] 3 3 82 3 3 3 83 81 3 3 3 83 90 99 81 82 3 99 92 82 99 3 99 99 81
## [26] 81 99 99 81 99 99 81 92 81 99 81 82 83 92 99 83 99 99 99 99 99 99 81 99
## [51] 99 99 99 99 3 92 92 81 3 84 3 83 99 92 3 99
```

```
#14 people attrited before answering a single question...did not receive assignment
d_attrition[Q1 == "", Attrition_Stage := "Before TaskPhase1"]
```

```
#20 people attrited before answering Question 11
d_attrition[(Q1 != "") & (Q11 == ""), Attrition_Stage := "Before TaskPhase2"]
```

```
#7 people attrited before answering Question 21
d_attrition[(Q1 != "") & (Q11 != "") & (Q21 == ""), Attrition_Stage := "Before TaskPhase3"]
```

```
# 25 people completed all questions but did not submit
d_attrition[(Q1 != "") & (Q11 != "") & (Q21 != "") & (Q30 != ""), Attrition_Stage := "Before Submission"]
```

```
# look at where people fall off
d_attrition[ , (.N), by = .(Attrition_Stage)]
```

```
##      Attrition_Stage V1
## 1: Before TaskPhase1 14
## 2: Before TaskPhase2 20
## 3: Before TaskPhase3 7
## 4: Before Submission 25
```