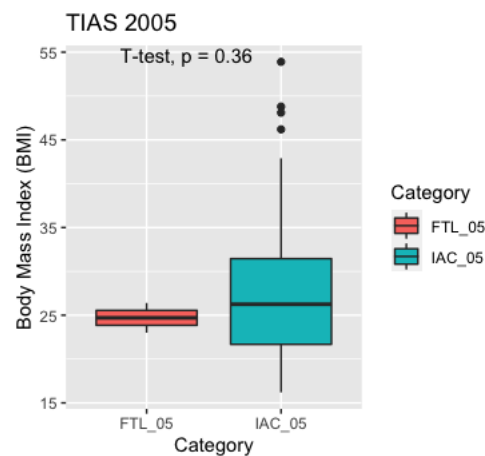


## FTL/IAC BMI Report

September 13, 2021

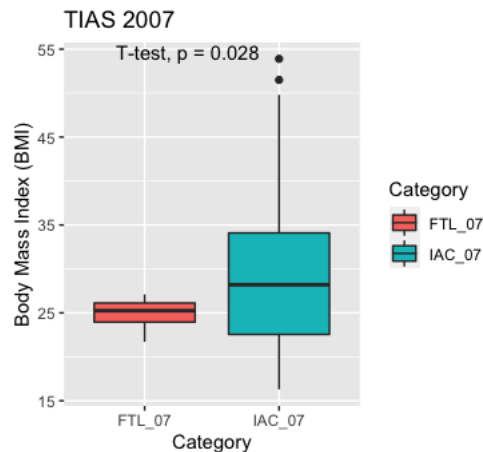
```
1 table(TIAS$TA050944)
2
3 TIAS <- TIAS %>%
4   replace_with_na(replace = list(TA050944 = 99))
5
6 TIAS2005 <- TIAS2005 %>%
7   replace_with_na(replace = list(TA050944 = 99))
8
9 T05_BMI_FILW <- TIAS2005[, c("TA050944", "FTL_COUNT")] %>% group_by(TA050944,
10   FTL_COUNT) %>% summarise(Count = n())
11
12 T05_BMI_FILW <- T05_BMI_FILW[1:190, ]
13
14 T05_BMI_CAT <- TIAS2005[, c("TA050944", "CAT_05")] %>% group_by(TA050944, CAT_
15   05) %>% summarise(Count = n())
16
17 T05_BMI_CAT <- T05_BMI_CAT[1:186, ]
18
19 ggplot(T05_BMI_FILW, aes(x = FTL_COUNT, y = TA050944, group = FTL_COUNT, fill
20   = as.factor(FTL_COUNT))) +
21   geom_boxplot() +
22   labs(title = "TIAS 2005", x = "# of Waves for Which Participant Identified
23     as FTL", y = "Body Mass Index (BMI)") +
24   scale_x_continuous(breaks = seq(0, 2, by = 1)) +
25   guides(fill = guide_legend(title = "# of FTL Waves"))
26
27 ggplot(T05_BMI_CAT, aes(x = CAT_05, y = TA050944, group = CAT_05, fill = as.
28   factor(CAT_05))) +
29   geom_boxplot() +
30   labs(title = "TIAS 2005", x = "Category", y = "Body Mass Index (BMI)") +
31   guides(fill = guide_legend(title = "Category")) +
32   stat_compare_means(method = "t.test")
```



```

1 table(TIAS$TA070925)
2
3 TIAS <- TIAS %>%
4   replace_with_na(replace = list(TA070925 = 99))
5
6 TIAS2007 <- TIAS2007 %>%
7   replace_with_na(replace = list(TA070925 = 99))
8
9 T07_BMI_FILW <- TIAS2007[, c("TA070925", "FTL_COUNT")] %>% group_by(TA070925,
10   FTL_COUNT) %>% summarise(Count = n())
11
12 T07_BMI_FILW <- T07_BMI_FILW[1:233, ]
13
14 T07_BMI_CAT <- TIAS2007[, c("TA070925", "CAT_07")] %>% group_by(TA070925, CAT_
15   07) %>% summarise(Count = n())
16
17 T07_BMI_CAT <- T07_BMI_CAT[1:227, ]
18
19 ggplot(T07_BMI_FILW, aes(x = FTL_COUNT, y = TA070925, group = FTL_COUNT, fill
20   = as.factor(FTL_COUNT))) +
21   geom_boxplot() +
22   labs(title = "TIAS 2007", x = "# of Waves for Which Participant Identified
23     as FTL", y = "Body Mass Index (BMI)") +
24   scale_x_continuous(breaks = seq(0, 2, by = 1)) +
25   guides(fill = guide_legend(title = "# of FTL Waves"))
26
27 ggplot(T07_BMI_CAT, aes(x = CAT_07, y = TA070925, group = CAT_07, fill = as.
28   factor(CAT_07))) +
29   geom_boxplot() +
30   labs(title = "TIAS 2007", x = "Category", y = "Body Mass Index (BMI)") +
31   guides(fill = guide_legend(title = "Category")) +
32   stat_compare_means(method = "t.test")

```



```

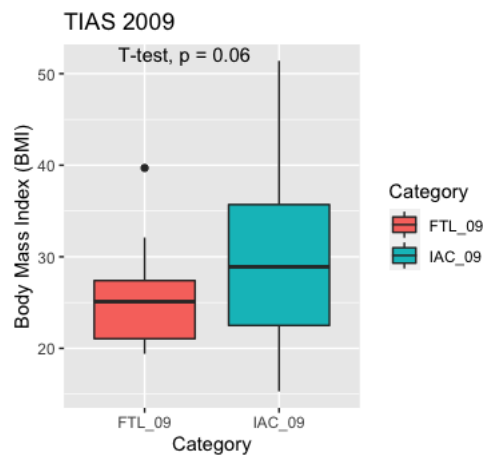
1 table(TIAS$TA090989)
2

```

```

3 TIAS <- TIAS %>%
4   replace_with_na(replace = list(TA090989 = 99))
5
6 TIAS2009 <- TIAS2009 %>%
7   replace_with_na(replace = list(TA090989 = 99))
8
9 T09_BMI_FILW <- TIAS2009[, c("TA090989", "FTL_COUNT")] %>% group_by(TA090989,
10   FTL_COUNT) %>% summarise(Count = n())
11
12 T09_BMI_FILW <- T09_BMI_FILW[1:268, ]
13
14 T09_BMI_CAT <- TIAS2009[, c("TA090989", "CAT_09")] %>% group_by(TA090989, CAT_
15   09) %>% summarise(Count = n())
16
17 T09_BMI_CAT <- T09_BMI_CAT[1:256, ]
18
19 ggplot(T09_BMI_FILW, aes(x = FTL_COUNT, y = TA090989, group = FTL_COUNT, fill
20   = as.factor(FTL_COUNT))) +
21   geom_boxplot() +
22   labs(title = "TIAS 2009", x = "# of Waves for Which Participant Identified
23     as FTL", y = "Body Mass Index (BMI)") +
24   scale_x_continuous(breaks = seq(0, 2, by = 1)) +
25   guides(fill = guide_legend(title = "# of FTL Waves"))
26
27 ggplot(T09_BMI_CAT, aes(x = CAT_09, y = TA090989, group = CAT_09, fill = as.
28   factor(CAT_09))) +
29   geom_boxplot() +
30   labs(title = "TIAS 2009", x = "Category", y = "Body Mass Index (BMI)") +
31   guides(fill = guide_legend(title = "Category")) +
32   stat_compare_means(method = "t.test")

```



```

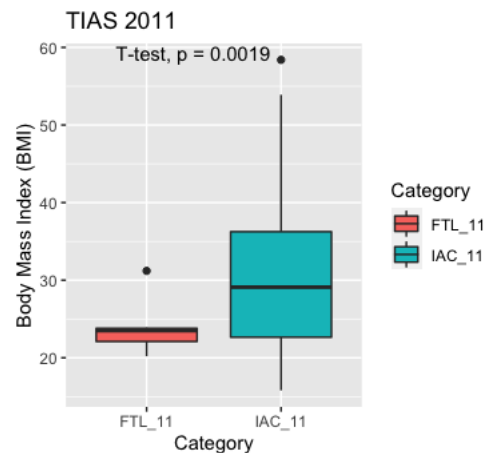
1 table(TIAS$TA111131)
2
3 TIAS <- TIAS %>%
4   replace_with_na(replace = list(TA111131 = 99))

```

```

5
6 TIAS2011 <- TIAS2011 %>%
7   replace_with_na(replace = list(TA111131 = 99))
8
9 T11_BMI_FILW <- TIAS[, c("TA111131", "FTL_COUNT")] %>% group_by(TA111131, FTL_
  COUNT) %>% summarise(Count = n())
10
11 T11_BMI_FILW <- T11_BMI_FILW[1:285, ]
12
13 T11_BMI_CAT <- TIAS2011[, c("TA111131", "CAT_11")] %>% group_by(TA111131, CAT_
  11) %>% summarise(Count = n())
14
15 T11_BMI_CAT <- T11_BMI_CAT[1:266, ]
16
17 ggplot(T11_BMI_FILW, aes(x = FTL_COUNT, y = TA111131, group = FTL_COUNT, fill
  = as.factor(FTL_COUNT))) +
18   geom_boxplot() +
19   labs(title = "TIAS 2011", x = "# of Waves for Which Participant Identified
  as FTL", y = "Body Mass Index (BMI)") +
20   scale_x_continuous(breaks = seq(0, 2, by = 1)) +
21   guides(fill = guide_legend(title = "# of FTL Waves"))
22
23 ggplot(T11_BMI_CAT, aes(x = CAT_11, y = TA111131, group = CAT_11, fill = as.
  factor(CAT_11))) +
24   geom_boxplot() +
25   labs(title = "TIAS 2011", x = "Category", y = "Body Mass Index (BMI)") +
26   guides(fill = guide_legend(title = "Category")) +
27   stat_compare_means(method = "t.test")

```



```

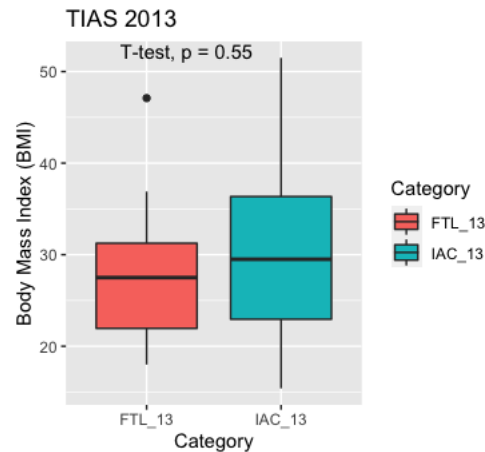
1 table(TIAS$TA131223)
2
3 TIAS <- TIAS %>%
4   replace_with_na(replace = list(TA131223 = 99))
5
6 TIAS2013 <- TIAS2013 %>%

```

```

7  replace_with_na(replace = list(TA131223 = 99))
8
9  T13_BMI_FILW <- TIAS2013[, c("TA131223", "FTL_COUNT")] %>% group_by(TA131223,
    FTL_COUNT) %>% summarise(Count = n())
10
11 T13_BMI_FILW <- T13_BMI_FILW[1:292, ]
12
13 T13_BMI_CAT <- TIAS2013[, c("TA131223", "CAT_13")] %>% group_by(TA131223, CAT_
    13) %>% summarise(Count = n())
14
15 T13_BMI_CAT <- T13_BMI_CAT[1:270, ]
16
17 ggplot(T13_BMI_FILW, aes(x = FTL_COUNT, y = TA131223, group = FTL_COUNT, fill
    = as.factor(FTL_COUNT))) +
18   geom_boxplot() +
19   labs(title = "TIAS 2013", x = "# of Waves for Which Participant Identified
    as FTL", y = "Body Mass Index (BMI)") +
20   scale_x_continuous(breaks = seq(0, 2, by = 1)) +
21   guides(fill = guide_legend(title = "# of FTL Waves"))
22
23 ggplot(T13_BMI_CAT, aes(x = CAT_13, y = TA131223, group = CAT_13, fill = as.
    factor(CAT_13))) +
24   geom_boxplot() +
25   labs(title = "TIAS 2013", x = "Category", y = "Body Mass Index (BMI)") +
26   guides(fill = guide_legend(title = "Category")) +
27   stat_compare_means(method = "t.test")

```



```

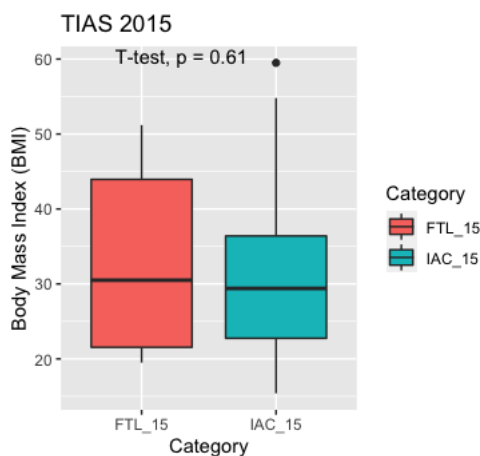
1  table(TIAS$TA151283)
2
3  TIAS <- TIAS %>%
4    replace_with_na(replace = list(TA151283 = 99))
5
6  TIAS2015 <- TIAS2015 %>%
7    replace_with_na(replace = list(TA151283 = 99))
8

```

```

9 T15_BMI_FILW <- TIAS2015[, c("TA151283", "FTL_COUNT")] %>% group_by(TA151283,
  FTL_COUNT) %>% summarise(Count = n())
10
11 T15_BMI_FILW <- T15_BMI_FILW[1:280, ]
12
13 T15_BMI_CAT <- TIAS2015[, c("TA151283", "CAT_15")] %>% group_by(TA151283, CAT_
  15) %>% summarise(Count = n())
14
15 T15_BMI_CAT <- T15_BMI_CAT[1:257, ]
16
17 ggplot(T15_BMI_FILW, aes(x = FTL_COUNT, y = TA151283, group = FTL_COUNT, fill
  = as.factor(FTL_COUNT))) +
18   geom_boxplot() +
19   labs(title = "TIAS 2015", x = "# of Waves for Which Participant Identified
  as FTL", y = "Body Mass Index (BMI)") +
20   scale_x_continuous(breaks = seq(0, 2, by = 1)) +
21   guides(fill = guide_legend(title = "# of FTL Waves"))
22
23 ggplot(T15_BMI_CAT, aes(x = CAT_15, y = TA151283, group = CAT_15, fill = as.
  factor(CAT_15))) +
24   geom_boxplot() +
25   labs(title = "TIAS 2015", x = "Category", y = "Body Mass Index (BMI)") +
26   guides(fill = guide_legend(title = "Category")) +
27   stat_compare_means(method = "t.test")

```



```

1 table(TIAS$TA171978)
2
3 TIAS <- TIAS %>%
4   replace_with_na(replace = list(TA171978 = 99))
5
6 TIAS2017 <- TIAS2017 %>%
7   replace_with_na(replace = list(TA171978 = 99))
8
9 T17_BMI_FILW <- TIAS2017[, c("TA171978", "FTL_COUNT")] %>% group_by(TA171978,
  FTL_COUNT) %>% summarise(Count = n())

```

```

10
11 T17_BMI_FTLW <- T17_BMI_FTLW[1:356, ]
12
13 T17_BMI_CAT <- TIAS2017[, c("TA171978", "CAT_17")] %>% group_by(TA171978, CAT_
14 17) %>% summarise(Count = n())
15
16
17 ggplot(T17_BMI_FTLW, aes(x = FTL_COUNT, y = TA171978, group = FTL_COUNT, fill
18 = as.factor(FTL_COUNT))) +
19   geom_boxplot() +
20   labs(title = "TIAS 2017", x = "# of Waves for Which Participant Identified
21 as FTL", y = "Body Mass Index (BMI)") +
22   scale_x_continuous(breaks = seq(0, 5, by = 1)) +
23   guides(fill = guide_legend(title = "# of FTL Waves"))
24
25 ggplot(T17_BMI_CAT, aes(x = CAT_17, y = TA171978, group = CAT_17, fill = as.
26 factor(CAT_17))) +
27   geom_boxplot() +
28   labs(title = "TIAS 2017", x = "Category", y = "Body Mass Index (BMI)") +
29   guides(fill = guide_legend(title = "Category")) +
30   stat_compare_means(method = "t.test")

```

