**Stats Project Results**

> mean(age)

[1] 21.45062

> mean(gender)

[1] 0.5802469

> mean(hoursSpent)

[1] 1.858025

> mean(comparison)

[1] 1.061728

> mean(PositiveImpact)

[1] 1.037037

> mean(NegativeImpact)

[1] 0.9135802

> mean(procrastinate)

[1] 0.7407407

> mean(Fomo)

[1] 1.049383

> sd(age)

[1] 1.75998

> sd(gender)

[1] 0.4965933

> sd(hoursSpent)

[1] 0.6947777

> sd(comparison)

[1] 0.5085686

> sd(PositiveImpact)

[1] 0.5109903

> sd(NegativeImpact)

[1] 0.4795188

> sd(procrastinate)

[1] 0.6851602

> sd(Fomo)

[1] 0.6305005

> t.test(comparison ~ gender)

Welch Two Sample t-test

data: comparison by gender

t = 1.677, df = 59.369, p-value = 0.0988

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

-0.03817393 0.43366830

sample estimates:

mean in group 0 mean in group 1

1.1764706 0.9787234

> t.test(procrastinate ~ gender)

Welch Two Sample t-test

data: procrastinate by gender

t = 2.5531, df = 59.258, p-value = 0.01327

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.08568968 0.70655062

sample estimates:

mean in group 0 mean in group 1

0.9705882 0.5744681

**comparisonInsta <- ProjectData[Platform == "Instagram", 4]**

**comparisonnotInsta <- ProjectData[Platform != "Instagram", 4]**

> t.test(comparisonInsta, comparisonnotInsta, paired = FALSE, var.equal = FALSE)

Welch Two Sample t-test

data: comparisonInsta and comparisonnotInsta

t = -0.059978, df = 43.94, p-value = 0.9524

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

-0.2713973 0.2557110

sample estimates:

mean of x mean of y

1.058824 1.066667

> t.test(Fomo ~ gender)

Welch Two Sample t-test

data: Fomo by gender

t = 2.6425, df = 63.575, p-value = 0.01035

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.09051429 0.65166343

sample estimates:

mean in group 0 mean in group 1

1.264706 0.893617

> t.test(hoursSpent, Fomo,paired = FALSE, var.equal = FALSE)

Welch Two Sample t-test

data: hoursSpent and Fomo

t = 7.757, df = 158.52, p-value = 9.958e-13

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.6027515 1.0145324

sample estimates:

mean of x mean of y

1.858025 1.049383

> t.test(hoursSpent,procrastinate,paired = FALSE, var.equal = FALSE)

Welch Two Sample t-test

data: hoursSpent and procrastinate

t = 10.305, df = 159.97, p-value < 2.2e-16

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.9031632 1.3314047

sample estimates:

mean of x mean of y

1.8580247 0.7407407

> t.test(hoursSpent,comparison,paired = FALSE, var.equal = FALSE)

Welch Two Sample t-test

data: hoursSpent and comparison

t = 8.3234, df = 146.61, p-value = 5.479e-14

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.6072277 0.9853649

sample estimates:

mean of x mean of y

1.858025 1.061728

> t.test(hoursSpent, Fomo,paired = TRUE, var.equal = FALSE)

Paired t-test

data: hoursSpent and Fomo

t = 7.1329, df = 80, p-value = 3.938e-10

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.5830311 1.0342529

sample estimates:

mean of the differences

0.808642

> t.test(hoursSpent,procrastinate,paired = TRUE, var.equal = FALSE)

Paired t-test

data: hoursSpent and procrastinate

t = 9.4212, df = 80, p-value = 1.309e-14

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.8812775 1.3532904

sample estimates:

mean of the differences

1.117284

> t.test(hoursSpent,comparison,paired = TRUE, var.equal = FALSE)

Paired t-test

data: hoursSpent and comparison

t = 7.723, df = 80, p-value = 2.815e-11

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.5911073 1.0014853

sample estimates:

mean of the differences

0.7962963

Call:

lm(formula = Fomo ~ hoursSpent)

Residuals:

Min 1Q Median 3Q Max

-1.27558 -0.10902 0.05754 0.05754 1.05754

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.3589 0.1989 6.83 1.57e-09 \*\*\*

hoursSpent -0.1666 0.1004 -1.66 0.101

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6237 on 79 degrees of freedom

Multiple R-squared: 0.03369, Adjusted R-squared: 0.02146

F-statistic: 2.754 on 1 and 79 DF, p-value: 0.101

Call:

lm(formula = procrastinate ~ hoursSpent)

Residuals:

Min 1Q Median 3Q Max

-1.0038 -0.6164 0.1899 0.3836 1.3836

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.1007 0.2156 5.104 2.24e-06 \*\*\*

hoursSpent -0.1937 0.1088 -1.781 0.0788 .

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.676 on 79 degrees of freedom

Multiple R-squared: 0.03859, Adjusted R-squared: 0.02642

F-statistic: 3.171 on 1 and 79 DF, p-value: 0.07879

Call:

lm(formula = comparison ~ hoursSpent)

Residuals:

Min 1Q Median 3Q Max

-1.2302 -0.1061 0.0179 0.0179 1.0179

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.29220 0.16088 8.032 7.55e-12 \*\*\*

hoursSpent -0.12404 0.08116 -1.528 0.13

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.5044 on 79 degrees of freedom

Multiple R-squared: 0.02872, Adjusted R-squared: 0.01642

F-statistic: 2.336 on 1 and 79 DF, p-value: 0.1304