title: 'Comparison of Family Involvement in Science Homework: TIPS vs ATIPS' author: "Your Name" output: pdf_document: default

```
science_involvement_TIPS <- c(2, 1, 2, 4, 2)
science_involvement_ATIPS <- c(1, 0, 0, 1, 1)

mean_TIPS <- mean(science_involvement_TIPS)
mean_ATIPS <- mean(science_involvement_ATIPS)

mean_TIPS
```

```
## [1] 2.2
```

```
mean_ATIPS
```

```
## [1] 0.6
```

```
t_test_result <- t.test(science_involvement_TIPS, science_involvement_ATIPS,
                        alternative = "two.sided", var.equal = FALSE)

t_test_result
```

```
##
##  Welch Two Sample t-test
##
## data:  science_involvement_TIPS and science_involvement_ATIPS
## t = 2.9212, df = 5.8824, p-value = 0.02721
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.2532468 2.9467532
## sample estimates:
## mean of x mean of y
##       2.2       0.6
```