

```
library(tidyverse)
```

```
install.packages("stargazer")
```

```
# To put it into a file
```

```
stargazer(m1, m2, out = "output.html")
```

This is the video for the GLM:

<https://www.youtube.com/watch?v=WnmwuD8OwMw&list=PL-i7GM-A1wBarcTV3wN2f-AAuEK3j76M0&index=3>

And this is what the videos come from (and a lot more):

<https://github.com/ccs-amsterdam/r-course-material>

```
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```

```
t.test(full_df$times_cited ~ full_df$journal.title)
```

```
m1 <- lm(times_cited ~ author_no + altmetric, data=full_df)
```

```
summary(m1)
```

```
tab_model(m1)
```

```
m2 <- lm(times_cited ~ author_no + altmetric + year, data=full_df)
```

```
summary(m2)
```

```
tab_model(m2)
```

```
anova(m1, m2)
```

```
glance(m1)
```

```
glance(m2)
```

```
tab_model(m2, show.se = TRUE, show.ci=FALSE, p.style="stars")
```

```
stargazer (m1, m2, type ="text")
```

```
=====
```

```
# Conduct a t-test to see whether times_cited is different between these two journals
```

```
ttest <- t.test(full_df$times_cited ~ full_df$journal.title)
```

```
ttest
```

```
# Let's do a OLS Regression, see if author_no and altmetric could predict times_cited?
```

```
m = lm(times_cited ~ journal.title + author_no + altmetric, data=full_df)
summary(m)
tab_model(m, show.std = TRUE, show.se = TRUE)
stargazer(m, type ="text")
```

```
# Now fit another model, and also control for the year?
```

```
m_year = lm(times_cited ~ journal.title + author_no + altmetric + year, data=full_df)
tab_model(m_year, show.std = TRUE, show.se = TRUE)
stargazer(m_year, type ="text")
```

```
# Compare the models using first anova(), and then glance()?
```

```
anova(m, m_year)
```

```
# Make a regression table using whichever way you like
```

```
m_total = lm(times_cited ~ year + journal.title + author_no, data = full_df)
tab_model(m_total, show.std = TRUE, show.se = TRUE)
```