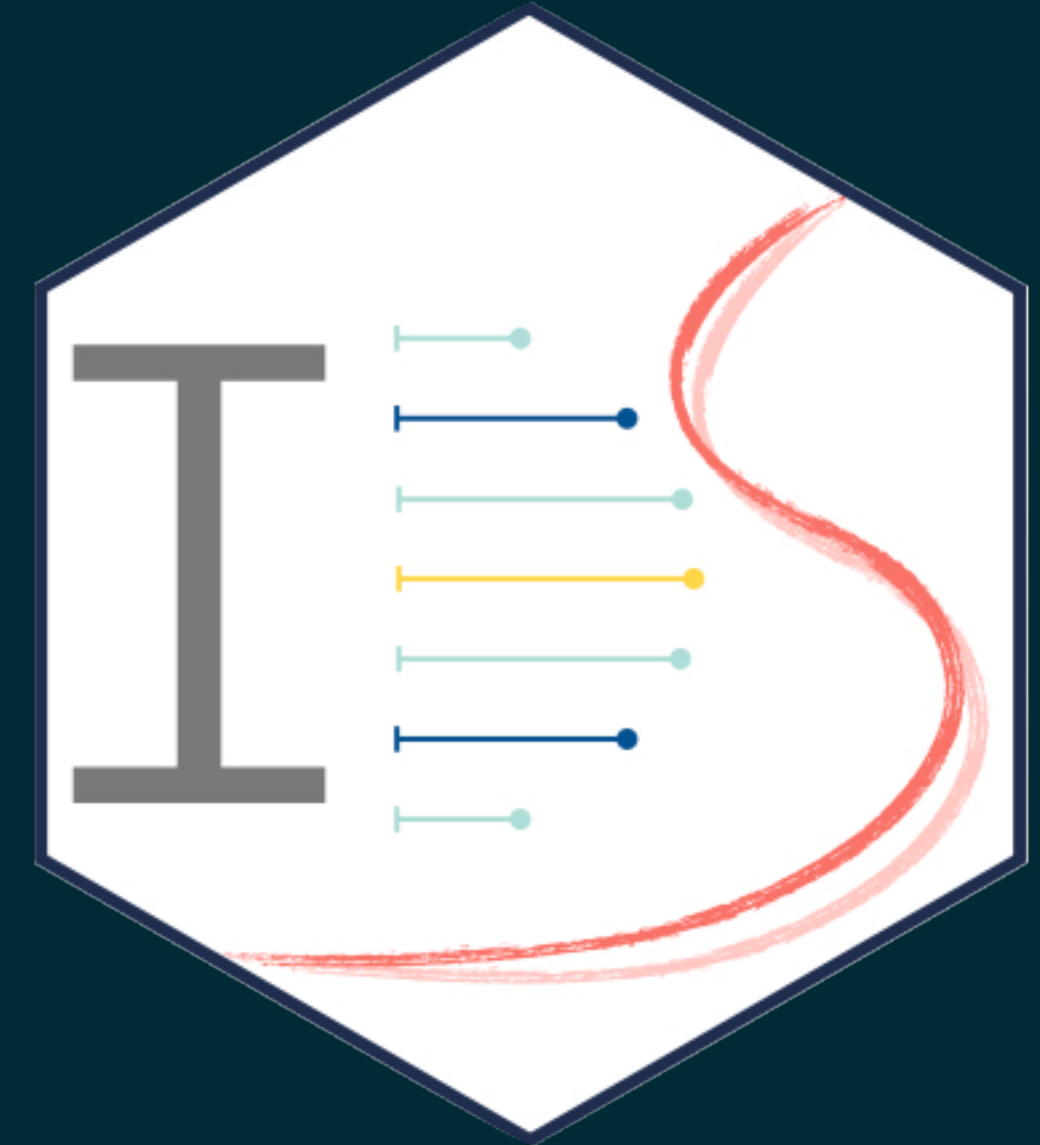





















keeping up with



week 9

# Week 8 - Modelling data

No.	Title	YouTube	MediaHopper	Slides	Length
01	Keeping up with IDS: Week 8				9:54
	<i>Writing Advice from Matt Stone &amp; Trey Parker</i>				2:14
2	The language of models				27:16
3	Fitting and interpreting models				29:04
4	Modelling nonlinear relationships				20:44
5	Models with multiple predictors				20:52
6	More models with multiple predictors				23:56

You can find starter code for this session on [RStudio Cloud](#), in the project titled *Code Along 08 - Lending club loans*.

Recording

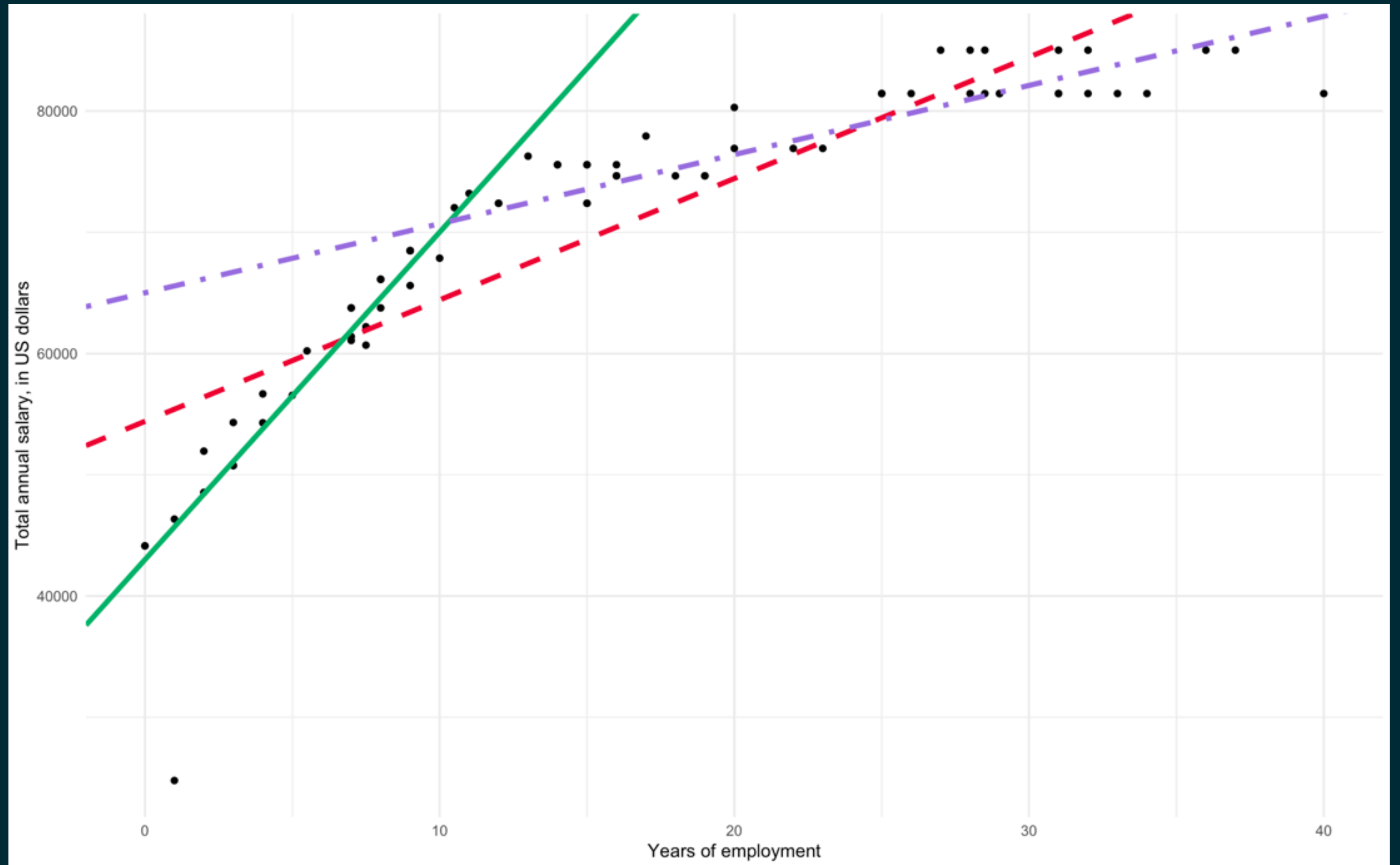


Session artifacts

.Rmd

.md

# Quiz recap - eyeballing the line



# Quiz recap - R-squared

r.squared <dbl>	adj.r.squared <dbl>	sigma <dbl>	statistic <dbl>	p.value <dbl>
0.755288	0.7517414	6197.968	212.9641	8.882476e-23

1 row | 1-5 of 12 columns

Which of the following is the best interpretation of the  $R^2$  value you calculated above?

- 75.5% of total annual salaries can be accurately predicted using a model with the number of years of employment by the school district as the explanatory variable.  $\times$
- 75.5% of residuals of this model are close to 0.  $\times$
- 75.5% of the variability in the number of years of employment by the school district can be explained by total annual salaries.  $\times$
- 75.5% of the variability in total annual salaries can be explained by the number of years of employment by the school district.  $\checkmark$

Correct!

# Week 9 - Logistic regression & model building

Week 9	M	T	W	Th	F	Sa	Su
	Nov 16	L 6 Nov 17		Nov 18	Nov 19	Nov 20	Nov 21
Week 10	M	T	W	Th	F	Sa	Su
	Nov 23	L 7 Nov 24	Peer Nov 25	HW 4 Nov 26	Nov 27	Nov 28	Q 8 Nov 22
							Q 9 Nov 29

- 👁 Predicting binary outcomes with logistic regression
- 👁 Prediction and overfitting
- 👁 Training / testing split
- 👁 Feature engineering

# Projects

- work on projects in lab
- Come up with a concrete plan  
assigning roles to members
- Peer feedback on others' projects!