**Paired t-test**

For this example, we’re going to do a paired t-test. Remember a paired t-test is when you have one group of participants that you’re measuring twice. So in this case I have a competency score when employees start a job, and then I have their competency score after 12 months, so the same group of people with two different scores. That means the scores are not independent so I cannot do an independent samples t-test. So let’s go to our analyse menu, compare means, and choose paired samples t-test. We’re going to choose our two variables from the list on the left. I want the first competency score and the last competency score, and you can see it’s shown me the first pair. Now we can run multiple t-tests at the same time so I could add more pairs here if I wanted to. I also have the option to change the confidence interval. By default, it’s 95% but I could adjust that to say 90 or 99%. I’m going to leave it at 95. Click ‘continue’ and then click ‘okay’. Now this is the output of our paired samples t-test. So I’ve got three tables, the first one is my descriptive statistics with means, standard deviation and standard error. The second is the correlations table, and the third is the results of our paired t-test, and we’re going to look at the results of our t-test in the next video.

END.