

# One-Sample Tests of Means: z Statistics and *t* Statistic

PSY2113

# Learning Outcomes

1

- Know when to use  $t$  statistic instead of  $z$ -score

2

- Perform hypothesis test with  $t$ -statistics

3

- Compute Cohen's  $d$  to measure effect size

4

- Compute percentage of variance accounted for ( $r^2$ ) to measure effect size

# Concepts to review

- Sample standard deviation (Chapter 4)
- Degrees of freedom (Chapter 4)
- Standard error (Chapter 7)
- Hypothesis testing (Chapter 8)