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(/learn/basic-statistics/home/welcome)

Significance tests

In this module we'll talk about statistical hypotheses. They form the main ingredients of the method of significance

∨ More

Hypotheses and significance tests

Start Lesson

(/learn/basic-statistics/lecture/N1Klj/7-01-hypotheses)

● Hypotheses and significance tests

(/learn/basic-statistics/supplement/SjhTk/hypotheses-and-significance-tests)

▶ 7.01 Hypotheses 5 min

Help Center

(/learn/basic-statistics/lecture/N1Klj/7-01-
hypotheses)

▶ 7.02 Test about
proportion   8 min

(/learn/basic-statistics/lecture/CMb3n/7-02-test-
about-proportion)

▶ 7.03 Test about mean   5 min

(/learn/basic-statistics/lecture/JI4uV/7-03-test-
about-mean)

Step-by-step plan and confidence interval

● Step-by-step plan and
confidence interval

(/learn/basic-statistics/supplement/dUEHq/step-
by-step-plan-and-confidence-interval)

▶ 7.04 Step-by-step plan   7 min

(/learn/basic-statistics/lecture/kPWP9/7-04-step-
by-step-plan)

▶ 7.05 Significance test and
confidence interval   5 min

(/learn/basic-statistics/lecture/q9SLN/7-05-
significance-test-and-confidence-interval)

Type I and Type II errors and example

● Type I and Type II errors and
example

(/learn/basic-statistics/supplement/k2SLa/type-i-
and-type-ii-errors-and-example)

▶ 7.06 Type I and Type II
errors   5 min

(/learn/basic-statistics/lecture/zDdf0/7-06-type-i-
and-type-ii-errors)

▶ **7.07 Example** 5 min

(/learn/basic-statistics/lecture/WtxbL/7-07-
example)

Review

● **Transcripts - Significance
tests**

(/learn/basic-
statistics/supplement/pKSwT/transcripts-
significance-tests)

⭐ **Quiz:** Significance
tests 10 questions

(/learn/basic-statistics/exam/lvfjC/significance-
tests)

✓ **R lab - Significance
tests** 1h 00m

(/learn/basic-statistics/gradedLti/JCmXy/r-lab-
significance-tests)