coursera (/)

Like this course? Become an expert by joining the Data Analysis and Interpretation Specialization (/specializations/data-analysis).

Upgrade

ⓘ   Congratulations! You have completed Week 2.

Start Week 3

(/learn/data-analysis-tools/home/week/3)

Chi Square Test of Independence

This session shows you how to test hypotheses in the context of a Chi-Square Test of Independence (when

∨   More

Ideas behind the Chi Square test of independence

▶   Lesson 1 - Ideas behind the Chi Square test of independence   11 min

(/learn/data-analysis-tools/lecture/e1mkw/lesson-1-ideas-behind-

Help Center

the-chi-square-test-of-independence)

SAS Lectures

📄 SAS Program Code for
Video Examples

(/learn/data-analysis-
tools/supplement/3Psts/sas-program-code-
for-video-examples)

▶ SAS Lesson 2 - Chi
Square Test of
independence in
practice   6 min

(/learn/data-analysis-
tools/lecture/qXy0Q/sas-lesson-2-chi-square-
test-of-independence-in-practice)

▶ SAS Lesson 3 - Post hoc
tests for Chi Square tests
of independence   11 min

(/learn/data-analysis-tools/lecture/0ibj2/sas-
lesson-3-post-hoc-tests-for-chi-square-tests-
of-independence)

▶ SAS Lesson 4 - Chi
Square summary   2 min

(/learn/data-analysis-tools/lecture/yvA0e/sas-
lesson-4-chi-square-summary)

Python Lectures

● Python Program Code
for Video Examples

(/learn/data-analysis-
tools/supplement/ERzUa/python-program-
code-for-video-examples)

▶ Python Lesson 2 - Chi
Square test of
independence in

practice   8 min

(/learn/data-analysis-
tools/lecture/MWLEx/python-lesson-2-chi-
square-test-of-independence-in-practice)

▶ Python Lesson 3 - Post
    hoc tests for Chi Square
    tests of
    independence   9 min

(/learn/data-analysis-
tools/lecture/UUM0c/python-lesson-3-post-
hoc-tests-for-chi-square-tests-of-
independence)

▶ Python Lesson 4 - Chi
    Square summary   2 min

(/learn/data-analysis-
tools/lecture/e0ZUz/python-lesson-4-chi-
square-summary)

Assignment

● Example: Running a Chi-
   Square Test of
   Independence

(/learn/data-analysis-
tools/supplement/dsim7/example-running-a-
chi-square-test-of-independence)

✓ **Assignment:** Running a
   Chi-Square Test of
   Independence   30 min

(/learn/data-analysis-
tools/peer/1QGTx/running-a-chi-square-test-
of-independence)

✓ **Review Classmates:**
   Running a Chi-Square
   Test of Independence
   30 min

(/learn/data-analysis-
tools/peer/1QGTx/running-a-chi-square-test-

of-independence/give-feedback)