

CHAPTER OVERVIEW

12: The Chi-Square Distribution

A chi-squared test is any statistical hypothesis test in which the sampling distribution of the test statistic is a chi-square distribution when the null hypothesis is true.

[12.1: The Chi-Square Distribution](#)

[12.2: A Goodness-of-Fit Test](#)

[12.3: A Test of Independence or Homogeneity](#)

[12.4: Test of a Single Variance](#)

[12.5: Test for Homogeneity](#)

[12.6: Comparison of the Chi-Square Tests](#)

Barbara Illowsky and Susan Dean (De Anza College) with many other contributing authors. Content produced by OpenStax College is licensed under a Creative Commons Attribution License 4.0 license. Download for free at <http://cnx.org/contents/30189442-699...b91b9de@18.114>.

This page titled [12: The Chi-Square Distribution](#) is shared under a [CC BY 4.0](#) license and was authored, remixed, and/or curated by [OpenStax](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.