

SECTION OVERVIEW

11.2: 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.

11.2.1: Facts About the Chi-Square Distribution

11.2.2: Goodness-of-Fit Test

11.2.3: Test of Independence

11.2.4: Test for Homogeneity

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 [11.2: 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.