Mindluster Platform

About the course Descriptive Statistics by Python

Python's statistics is a built-in Python library for descriptive statistics. You can use it if your datasets are not too large or if you can't rely on importing other libraries. NumPy is a third-party library for numerical computing, optimized for working with single- and multi-dimensional arrays .

Programming Category's Courses

Course Lesson(37)

Lesson 1 :
Statistics by Python Introduction {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 2 : **01 Sample Mean {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}**

Lesson 3 :
02 Sample Mean Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 4 :
03 Population weighted categorical {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 5 : **04 Median {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}**

Lesson 6 : **05 Median Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}**

Lesson 7 : **06 Mode {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}**

Lesson 8 : **07 Mode Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}**

Lesson 9 :
08 Variance and Standard Deviation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 10 :
09 Standard deviation Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 11 :
10 Range Quartiles and Boxplot {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 12 :
11 Quartiles and Boxplot Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 13 :
12 Frequency Distribution and Histogram {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 14 :
13 Histogram Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 15 : **14 Correction {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}**

Lesson 16 :
15 Cumulative Frequency Distribution {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ø¨Ù‰ ÙˆØ§Ù„Ø¨Ø§ÙŠØ«ÙˆÙ†}

Lesson 17 :

16 Density Cumulative Frequency Distribution {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 18 :
17 Frequency Distribution Uniform Distribution {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 19 :
18 Frequency Distribution Normal Distribution {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 20 :
19 Normal Distribution Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 21 :
20 Normal Distribution CDF standard {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 22 :
21 Standard Normal Distribution Implementation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 23 :
22 Standard Normal Dist Implementation continue {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 24 : **Numpy Introduction {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}**

Lesson 25 : **Numpy Create ndarray {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}**

Lesson 26 : **Numpy Indexing and Slicing {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}**

Lesson 27 : **Numpy Indexing and Slicing Implementation {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}**

Lesson 28 : **Numpy Element Wise Operators and Broadcasting {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}**

Lesson 29 :
Numpy Element Wise Operators and Broadcasting Implementation {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}

Lesson 30 : **Numpy for Statistics {Ø¨Ø§ÙŠØ«Ù† Ø¨Ø§Ù„Ø¹Ø±Ù‰}**

Lesson 31 :
23 Skewness as Symmetry measure {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 32 :
24 Kurtosis as tailedness measure {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 33 : **25 Outliers abnormal values {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}**

Lesson 34 :
26 Statistics recap Numpy Skewness Kurtosis Outliers {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 35 :
27 Data Qualitative and Quantitative Uni Bi Multivariate {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 36 :
28 Quantitative Data Association Correlation {Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰ Ùˆ Ø§Ù„ØªÙˆØ²ÙŠØ¹Ø§Ù†}

Lesson 37 :
29 Qualitative data Description ContingencyTable and Association Odds Ratio Ø¥ØØµØ§Ø¡ Ø¨Ø§Ù„Ø¹Ø±Ù‰

Related courses

React Projects Workshops

Node js back end JavaScript

Python programming language

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