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| Meet the new DataCamp! - DataCamp  Intermediate Python |  |

ABSTRACT

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# Week 1 – MATPLOTLIB

## Line PLot

Chart, line chart

Description automatically generated

## Line plot (3)

Diagram

Description automatically generated

## Scatter Plot (1)

Chart, scatter chart

Description automatically generated

## Scatter Plot (2)

Chart, scatter chart

Description automatically generated

## Build a Histogram

Chart, histogram

Description automatically generated

## Build a Histogram (2): Bins

* Build a histogram of life\_exp, with 5 bins. Can you tell which bin contains the most observations?
* Build another histogram of life\_exp, this time with 20 bins. Is this better?

The 5th bin contains the most obs.

The 16th bin contains the most obs.

Chart, histogram

Description automatically generatedChart, histogram

Description automatically generated

## Build a histogram (3): compare

Build a histogram of life\_exp1950, also with 15 bins. Is there a big difference with the histogram for the 2007 data?

Left life expectancy now; right life expectancy 1950.

Chart, histogram

Description automatically generatedChart, histogram

Description automatically generated

People are expected to live longer these days than in the 1950’s.

## Labels

Chart, scatter chart

Description automatically generated

## Ticks

Chart, scatter chart

Description automatically generated

## Sizes

Chart, scatter chart, bubble chart

Description automatically generated

## Colours

Chart, scatter chart, bubble chart

Description automatically generated

The countries in blue, corresponding to Africa, have both low life expectancy and a low GDP per capita.

## Additional Customisations

Chart, scatter chart, bubble chart

Description automatically generated

# Week 2 – Python Lists

# Week 3 – Functions and Packages

# Week 4 – NumPy