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# Introduction

## Before we begin, what is MatLab?

The following is an excerpt from internet:

MATLAB is often described as a problem solving environment. It is a programming language and set of tools for solving mathematical problems.

The name MATLAB was originally a contraction of "Matrix Laboratory" and indeed MATLAB's core strength is numerical computing involving matrices, vectors and linear algebra. It also has extensive plotting and graphics routines.

This is my understanding of what MatLab is mostly used for

Long story short, this is a programming language that is used for problem solving. Science is a field which requires theory/hypothesis and evidence. This evidence is usually in the form of experiments. However, most of the time if we want to use this evidence as a proof for a scientific theory, we also need to show that the results of the experiment are significant. This is where statistics come to play

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