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# Introduction to Gaussian Processes

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## Abstract

A wide variety of methods exists to deal with supervised learning, as restrict a class of linear functions of the inputs, as linear regression, or give a prior probability to every possible function, giving high probability to the functions we consider more likely. The second approach is a way to Gaussian process itself. We will make the pathway through a intuitive construction of this framework.

## 1 Introduction

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### 1.1 Linear Regression

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