

# Foundation Models Overview

## 1 Introduction

This document provides an overview of foundation models based on a provided image, illustrating the evolution and sizes of various large language models (LLMs) over time.

## 2 Timeline of Foundation Models

The following timeline highlights key foundation models and their respective sizes, as depicted in the accompanying image:

- **LLaMA**: Available in 7B, 13B, 33B, and 70B parameter sizes.
- **StableLM**: Offered in 3B and 7B parameter sizes.
- **Falcon**: Includes 7B, 40B, and 180B parameter variants.
- **LLaMA2**: Comes in 7B, 13B, and 70B parameter configurations.
- **Mistral**: Features a 7B parameter model.

The image illustrates these models with circles of varying sizes, representing their parameter counts, plotted along a timeline from LLaMA to Mistral, indicating their release dates.

## 3 Visual Representation

Describing the image: - The timeline starts with LLaMA, depicted with multiple purple circles of increasing size (7B to 70B). - Next is StableLM, shown with smaller blue circles (3B and 7B). - Falcon follows, represented by green circles of increasing size (7B to 180B). - LLaMA2 is shown with red circles (7B to 70B). - Mistral concludes the timeline with a small orange circle (7B). - The horizontal axis represents the release date, progressing from left to right.

## 4 Conclusion

This overview demonstrates the growth and diversification of foundation models, with increasing parameter sizes reflecting advancements in model capacity over time.