

# Modeling Usain Bolt 2009 100 m dash world record

Your Cool Name goes here!

Homework #1b, Math 323  
Eastern Oregon University  
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with  
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Figure 1: Here's the cool Figure.

## 1 Introduction

A few sentences overviewing Bolt's accomplishment.

## 2 A Proposed Model

Put the model here, and a sentence or two about its features.

## 3 Analysis

Show how you calculate the initial acceleration.

## 4 Comparison with Race Data

A couple of sentences, then make a table duplicating the data of the web site. Here's a start:

Segment (m)	Time (s)	Velocity (m/s)
0-10	1.85	5.41
10-20	1.02	9.80

Make another table with the corresponding Velocity vs. TIME table (I've done the first two data points for you, complete the rest).

Time (s)	Velocity (m/s)
0	0
0.925	5.405

Now, plot data against your model.

## 5 Discussion/Conclusion