



UNIVERSITY OF TM
KWAZULU-NATAL

INYUVESI
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DISCIPLNE OF STATISTICS

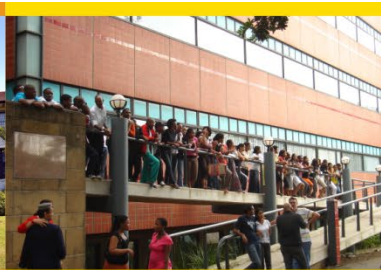
Nombuso Zondo



EDGEWOOD CAMPUS



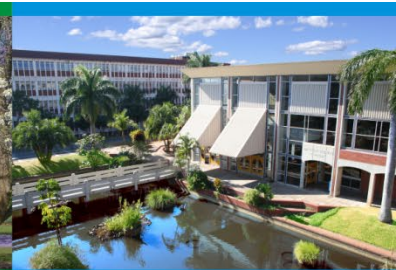
HOWARD COLLEGE CAMPUS



NELSON R MANDELA SCHOOL OF MEDICINE



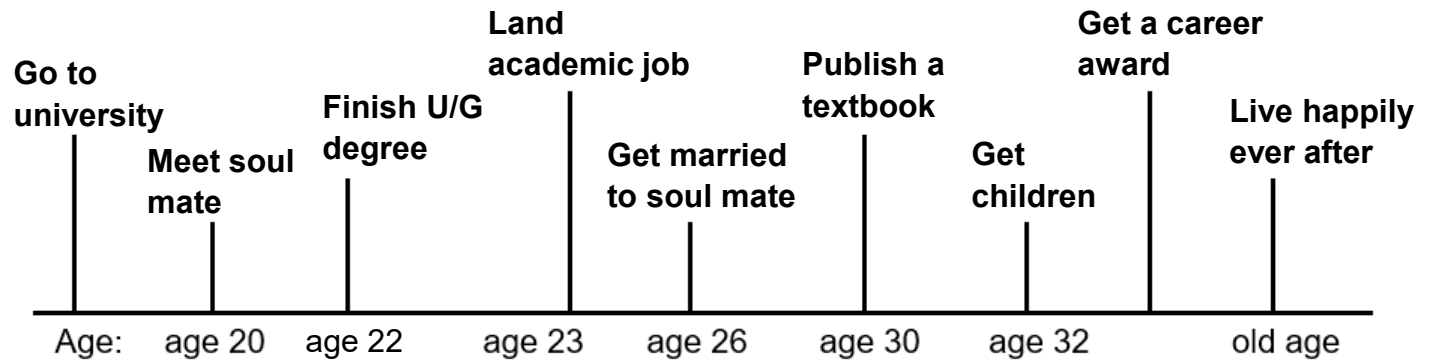
PIETERMARITZBURG CAMPUS



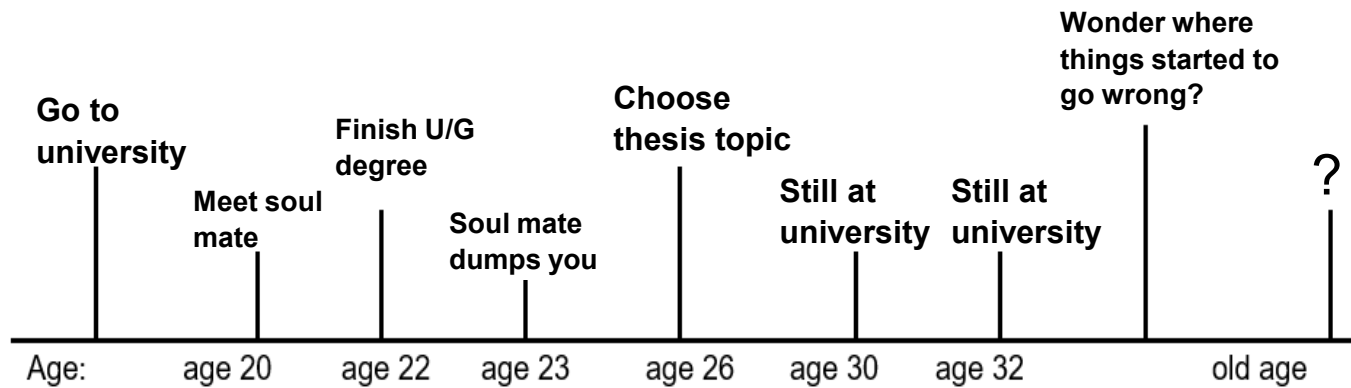
WESTVILLE CAMPUS

INSPIRING GREATNESS

Life Plan



Reality Plan



Deciding on a career?

What are the **best jobs** to have

Data scientist and Statistician

According to the Data Science Association, data science is the **scientific study** of the creation, validation and transformation of **data** to create meaning.

What do Statisticians do?

Statisticians make use of *mathematical* and *probabilistic* models to **collect, analyse,** and **interpret** data.



This leads to improved **decision making.**

Modern society is *driven by data*, making the role of a Statistician more and more of a **necessity!**

“ Statistics is prevalent in almost all
fields of science, technology or business
(in fact, it is used in any field
where data is collected).”

**Which fields
employ
Statisticians ?**

This includes, but is not restricted to, the following fields:

Agriculture	Insurance	Biology
Law	Chemistry	Manufacturing
Computer Science	Marketing	Economics
Public Health	Education	Sports
Engineering	Telecommunications	Epidemiology
Finance	Genetics	Health Science

Data Scientist

Data science involves **the extraction of knowledge from data**. According to the Data Science Association a Data Scientist is a professional who uses **scientific methods** to liberate and **create meaning from raw data**.

In modern times massive amounts of data are available. Large companies have a desperate need of people who can make sense of this data.



Data Science is a multi-disciplinary field containing elements from:

- Statistics
- Mathematics
- Computer Science

Data Scientists have been called the “**magicians of the big data era**”.

How

- Right career choice.
- Dedication.
- No shortcut in life - No matter your demographic profile, get the quality high.