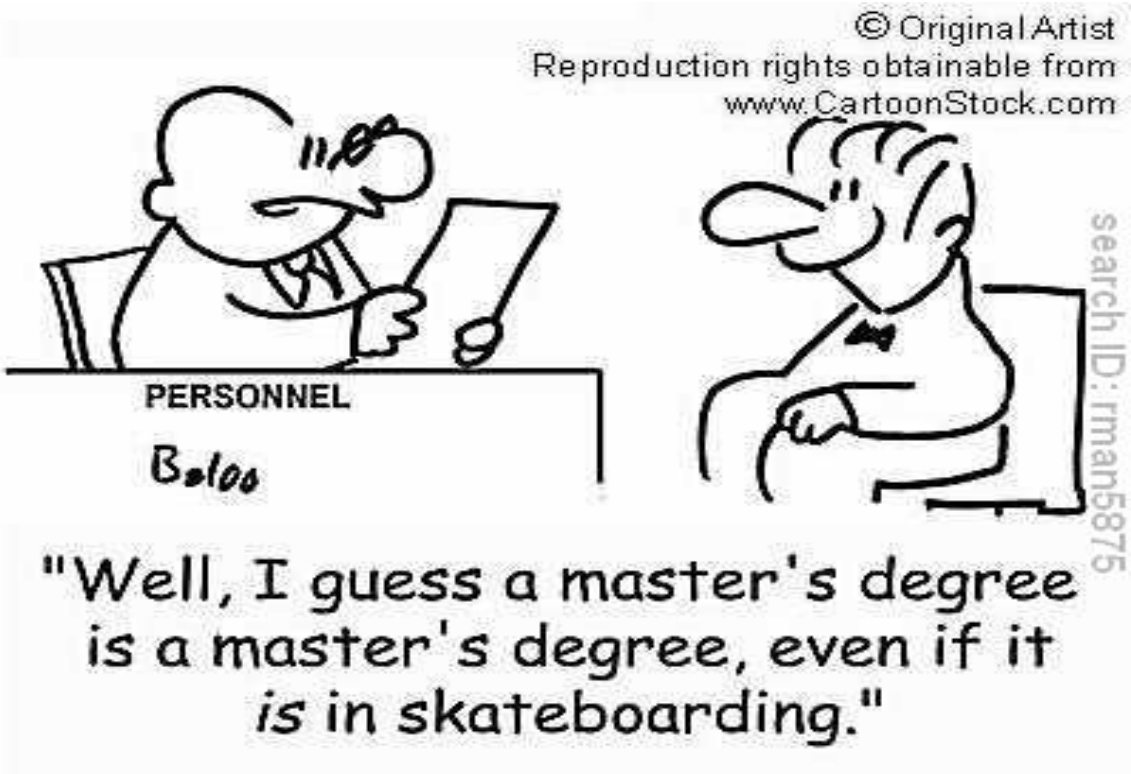
Graduate Studies in STATISTICS
WHAT, WHEN, HOW



WHAT?

WHAT area of study?
WHAT country/city?
WHAT university/program?
WHAT to expect in terms of funding?

WHEN?

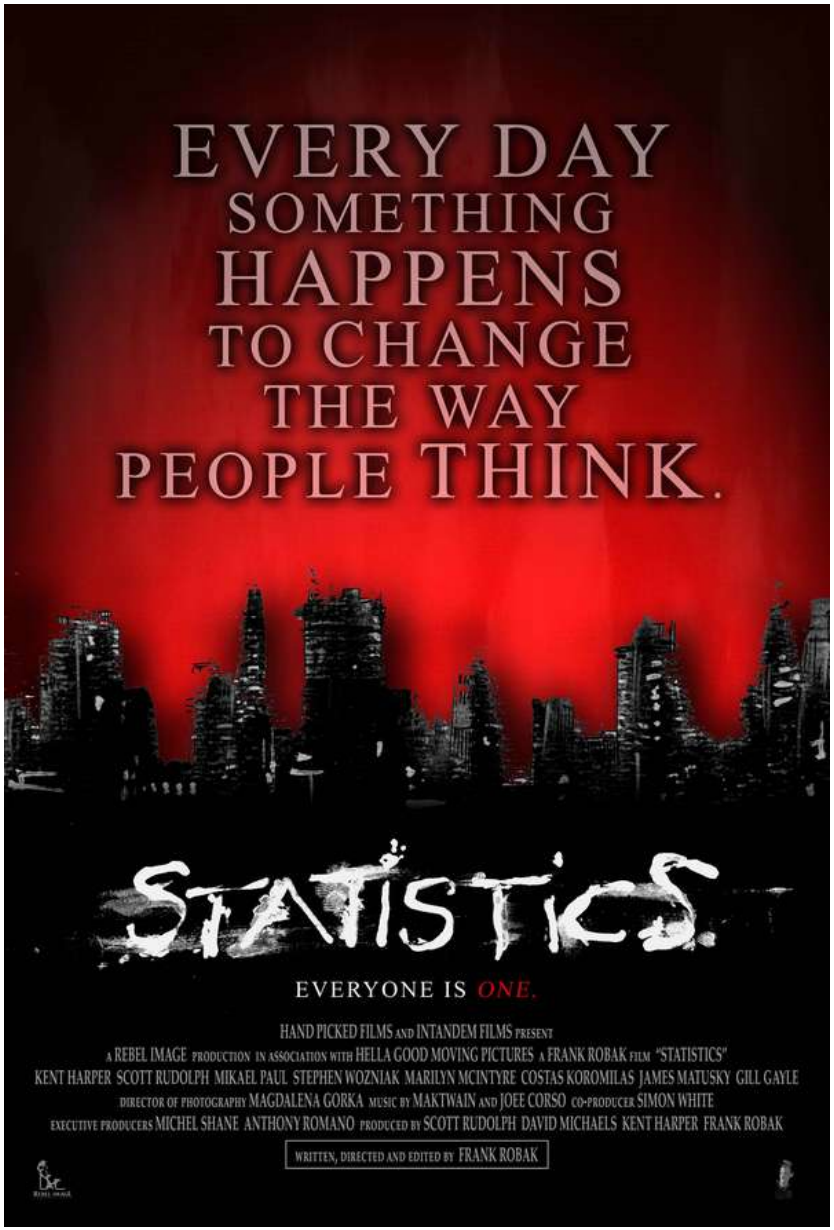
WHEN to apply?
WHEN to start studies?

HOW?

HOW to get information?
HOW to apply?

Starting Point

WHAT do I really like? WHAT am I passionate about?
WHAT do I see me doing?


EVERY DAY
SOMETHING
HAPPENS
TO CHANGE
THE WAY
PEOPLE THINK.
STATISTICS.
EVERYONE IS ONE.
HAND PICKED FILMS AND INTANDEM FILMS PRESENT
A REBEL IMAGE PRODUCTION IN ASSOCIATION WITH HELLA GOOD MOVING PICTURES A FRANK ROBAK FILM "STATISTICS"
KENT HARPER SCOTT RUDOLPH MIKAEL PAUL STEPHEN WOZNIAK MARILYN MCINTYRE COSTAS KOROMILAS JAMES MATUSKY GILL GAYLE
DIRECTOR OF PHOTOGRAPHY MAGDALENA GORKA MUSIC BY MAKTWAIN AND JOEE CORSO CO-PRODUCER SIMON WHITE
EXECUTIVE PRODUCERS MICHEL SHANE ANTHONY ROMANO PRODUCED BY SCOTT RUDOLPH DAVID MICHAELS KENT HARPER FRANK ROBAK
WRITTEN, DIRECTED AND EDITED BY FRANK ROBAK

What is Statistics?

➔ The science of learning from data

➔ The mathematics of the collection, organization, and interpretation of numerical data, especially the analysis of population characteristics by inference from sampling

➔ Essential for the proper running of government, central to decision making in industry, and a core component of modern educational curricula at all levels

What do STATISTICIANS do?

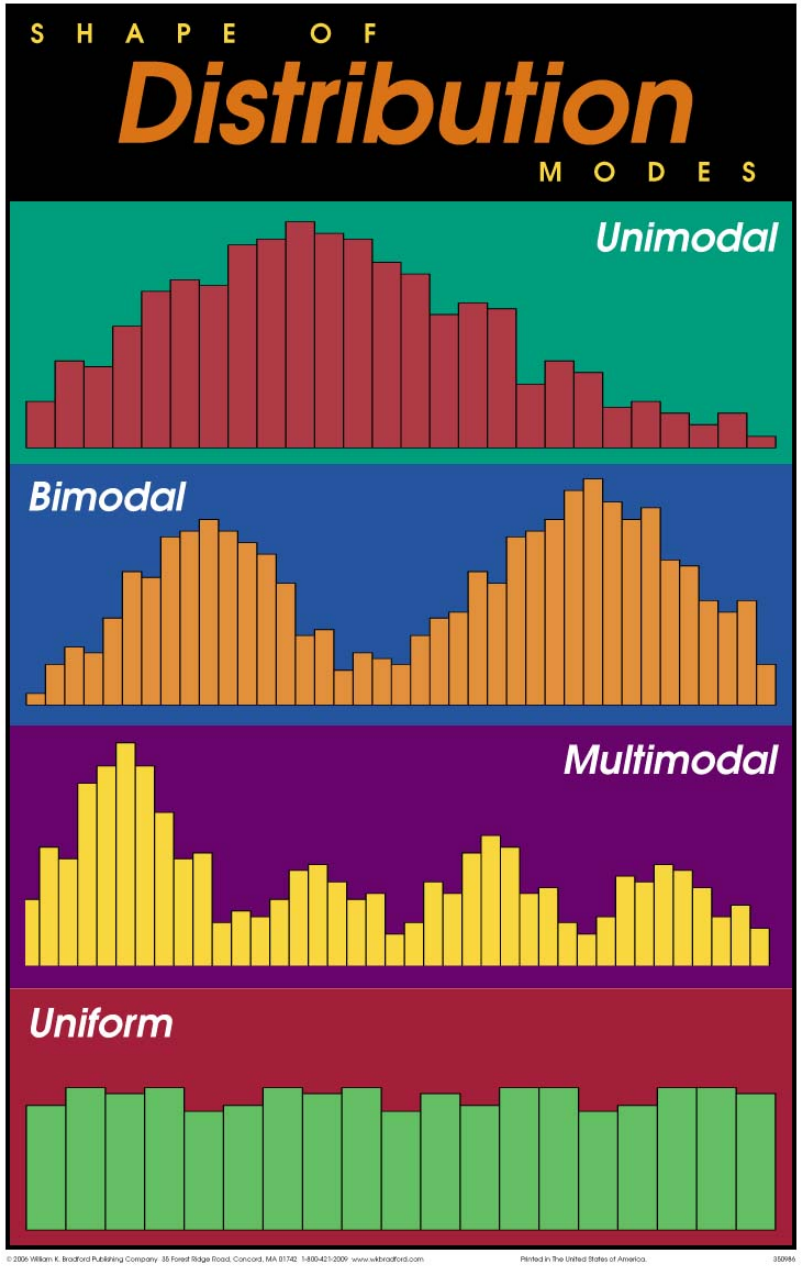
❖ Provide crucial guidance in determining what information is reliable and which predictions can be trusted

❖ Help determine sampling and data collection methods

❖ Monitor the execution of a study and the processing of data

❖ Advise on the strengths and limitations of the results

❖ Must understand the nature of uncertainties and be able to draw conclusions in the context of particular statistical applications


SHAPE OF
Distribution
MODES
Unimodal
Bimodal
Multimodal
Uniform

Where do I get information?

- Statistical Society of Canada **www.ssc.ca**

Under ***Statistical Resources:*** links to all Canadian university departments with substantial statistical activity (**http://www.ssc.ca/en/statistical-resources**)

- American Statistical Association **www.amstat.org**

Career Center/Careers in Statistics
List of Graduate Programs in Statistics in the US: **www.amstat.org/education/sods** with contact information for the school

Our McMaster's
MASTER PROGRAM IN STATISTICS

http://www.math.mcmaster.ca/graduate/msc_stats/

- Interdisciplinary program:
  - Medical Statistics (biostatistics)
  - Applied Statistics
  - Statistical Theory
  - Applied Probability

- Thesis Option (6 courses + thesis)

- Course Option (8 courses)

- Duration: 16 or 8 months

Dr. N. Balakrishnan

Dr. Fred Hoppe

Dr. Paul McNicholas

Dr. Angelo Canty

Dr. Joseph Beyene

Dr. Greg Pond

Dr. Lehana Thabane

Dr. Jeff Racine

HOW to Apply?

- Online at http://www.math.mcmaster.ca/graduate/application%20procedure.php
- 2 confidential reference letters
- Statement of interest
- Application fee: $110

Support

In science (including math and stats fields), most entrance offers to grad programs come with **SUPPORT**

In our program:

Support = Bursary + TA + Research Assistanship

Scholarships

- NSERC Graduate Scholarships
  PGS-M/$17,300 per year, PGS-P/$21,000 per year

- Ontario Graduate Scholarships (OGS)
  $15,000 per year

- Universities often run scholarship programs

- Canadian provinces run graduate scholarship similar to our OGS Program

"Do what you enjoy and enjoy what you do"