

TRIP MODELLING IN A NUTSHELL



PAST 7 DAYS

**TAKEN A TRIP TO
ANY OF THE
FOLLOWING**



PAST 7 DAYS

MEANS OF TRANSPORT

DAY OF THE WEEK

FREQUENCY

START AND END TIME

DURATION



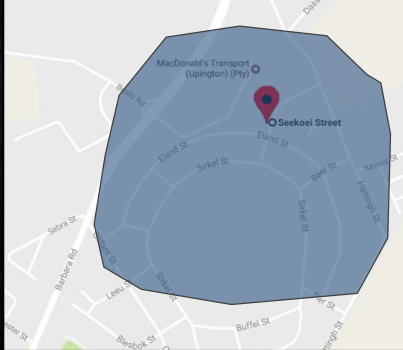
ORIGIN



DESTINATION

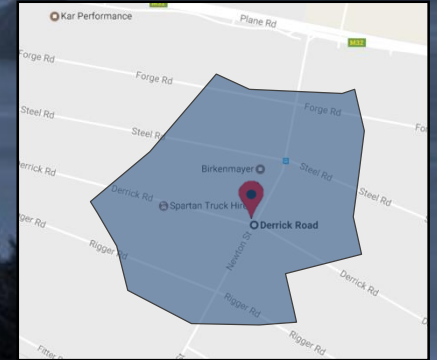
COME BACK TRIP

Starting point (Home):
Elandsfontein Rail,
Seekoei Street



ORIGIN

Final point (Work 1):
Kempton Park,
Derrick Road



DESTINATION



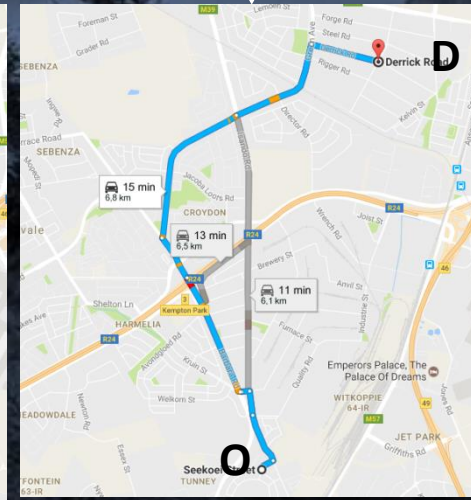
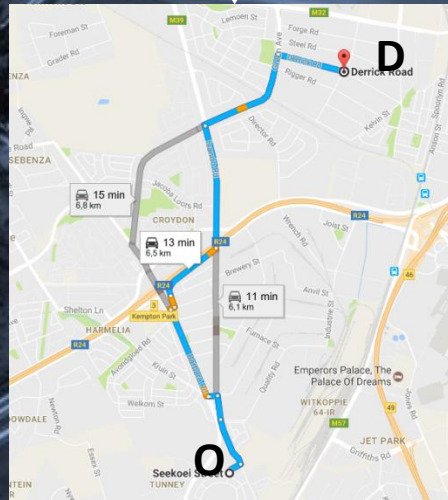
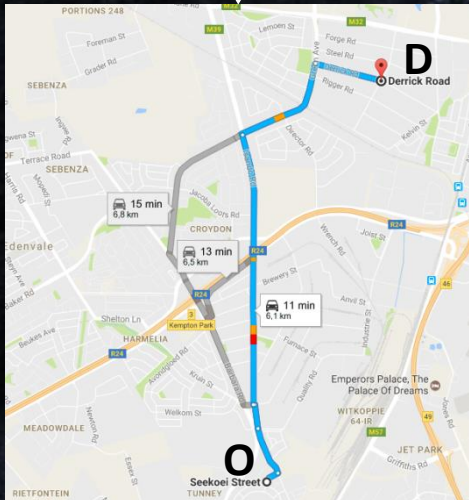
DigitalGlobe Satellite

Digital Maps (Google)

Traffic
Modelling

3 possible ways

All trips with
origin and
destination
declared in Travel
Survey



PER NUMBER OF VEHICLES

TIME OF WEEK

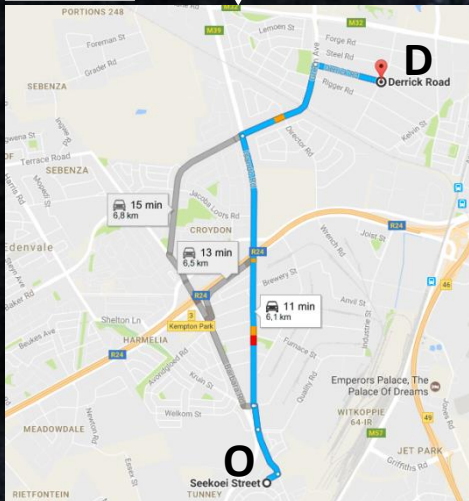
TIME FRAME

ROUTE
MODELLING

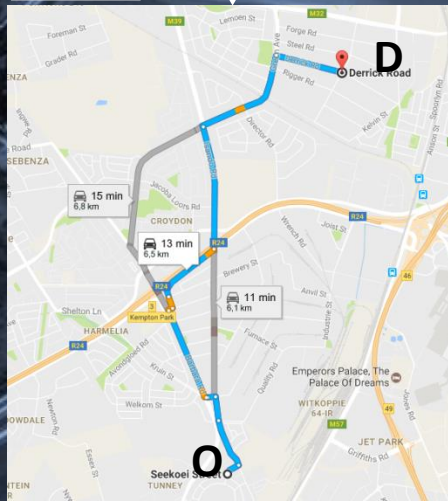
Probabilities
assigned

3 possible ways

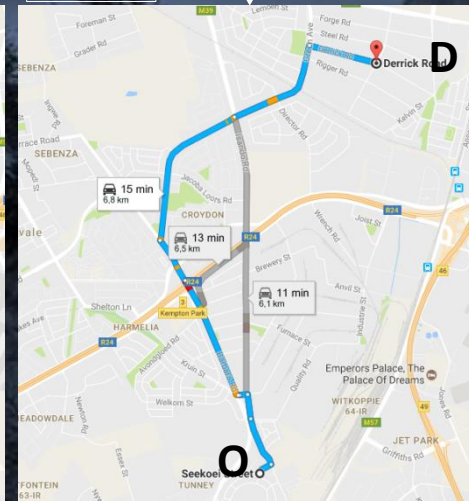
60%



25%



15%



An aerial photograph of a city street grid, overlaid with a semi-transparent teal filter. A white rectangular box is positioned on the right side of the image, containing white text. The text is arranged in seven lines, reading: 'COMPLETE REPRESENTATION OF ALL THE MOVEMENTS OF EACH INDIVIDUAL IN THE CITY'.

**COMPLETE
REPRESENTATION
OF ALL THE
MOVEMENTS OF
EACH INDIVIDUAL
IN THE CITY**