

For those who want Learning Analytics but can't get started.









60 Internal and External source Systems





Learning, People, Student, Service, Benchmarking

► |TV



Cloud

Power BI, Cognitive Services, Azure based servers

<> Self-service

Self-service for most areas in the university



The home of all of AUT's BI. Second most visited site

Open 1

Students and researchers using our data

Weekly promotion and training episodes

_ومور Analytics





Student Analytics

Real-time likely conversion score, Diversity and Inclusion, Quality and Quantity of Students, 'Next Big Action'



2025 2025

People Analytics

Workforce Analytics, Diversity and Inclusion, Development, Quality of Hire, Workload and Capacity, Flight Risk Scores

Learning Analytics

Known and Behavioral indicators. Student Success Risk Model



Benchmarking Analytics

Universities who are like us - what are they doing, where do we need focus our attention



Service Analytics

Operational Efficiency

New tools and methods

- \circ SQL Server 2016
- R Integration
- Surface all Analytics outputs and inputs in Self-service Tabular Models
- Where applicable Analytics outputs are stored in DW
- Provide access to Analytics outputs via
 Open-I



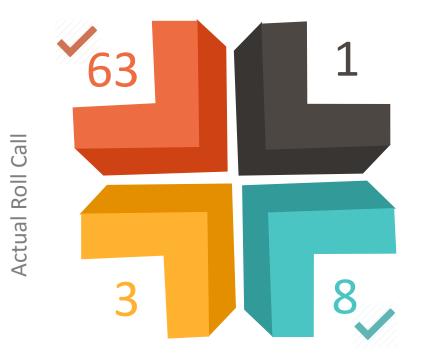


How good is the Digital Footprint?





Example B: Accuracy = 95%



Cluster: Attendance Rate

100%

90%

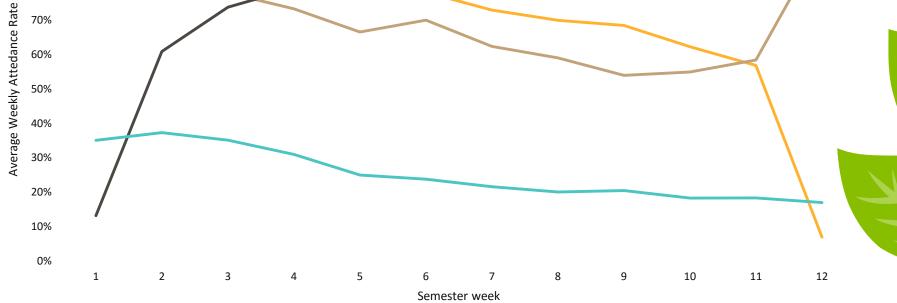
80%

70%

60%

50%





----No stamina -----Teacher's pet ----OMG, exam time -----Late bloomer -----Where's the campus?

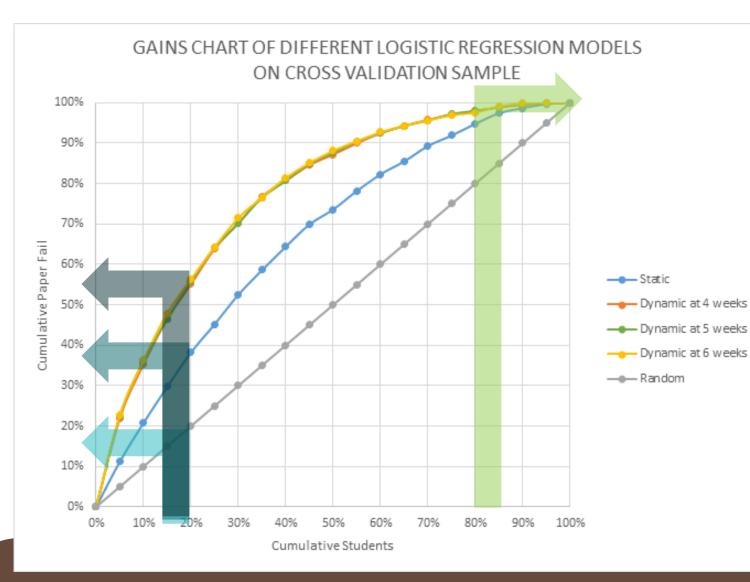






Learning Analytics

The Science













Learning Analytics - Demo



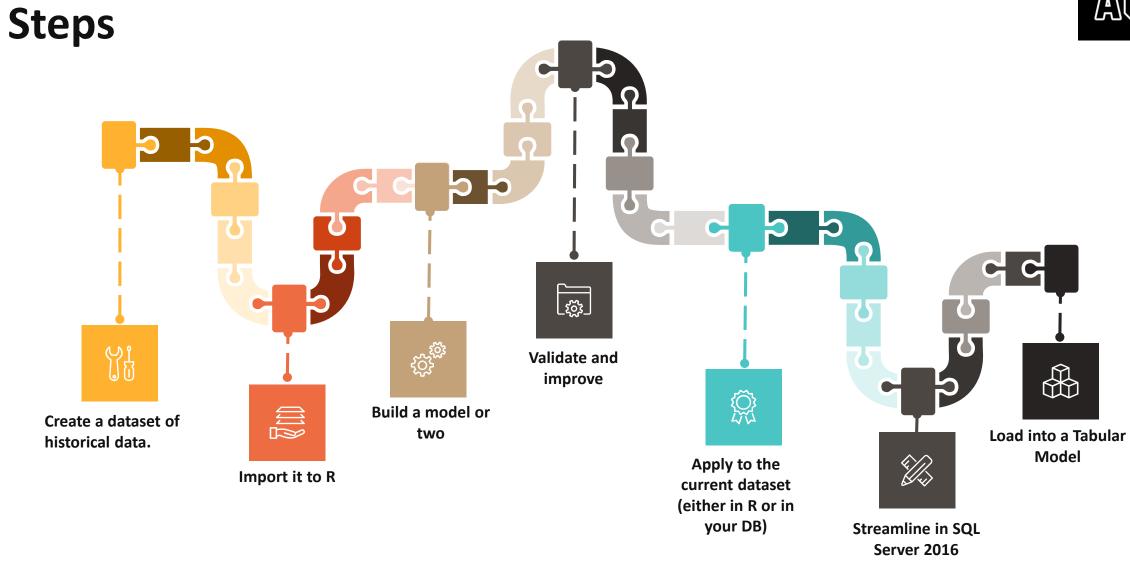






Learning Analytics





Building and applying a statistical model





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R, a free spirited pirate

Why R?



Totally free



Widely used Most Stats 101 courses user R



Very flexible Unrestricted by pre-defined functionality

Still scared?



Lots of users on the internet Ask and you shall be answered



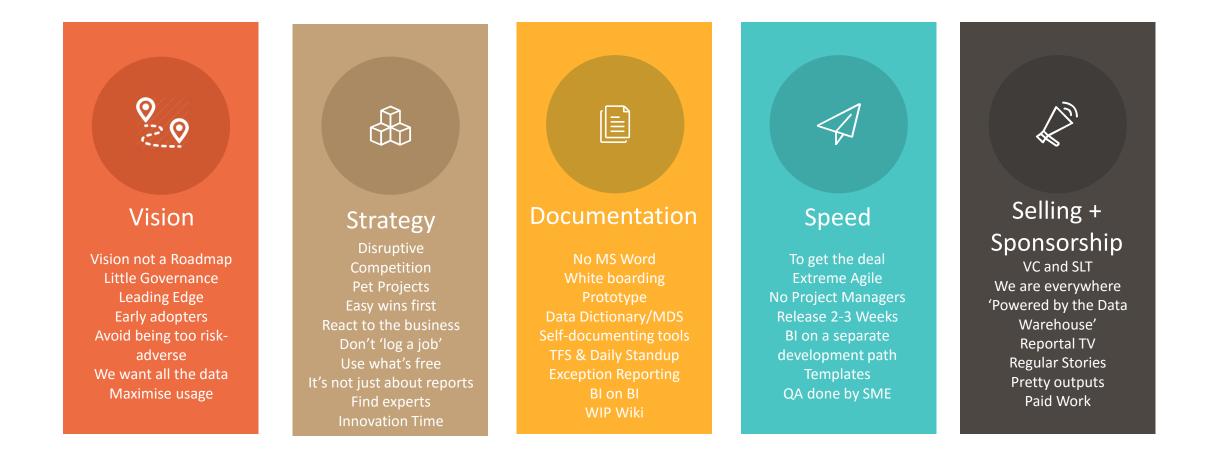
Lots of stats geeks on any campus Professors, lecturers, even graduates





How we do stuff











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