



Modern dashboards: The way forward in tracking high risk modules

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Overview

- Identifying and Tracking performance of high risk modules.
- Dashboards – what, why and how?
- Dashboard show and tell.

Dashboards for Siyaphumelela objectives

- More than 60 modules.
- Criteria – Performance History.



How DIRAP(IIS) fits into the project



Figure 5: Relationship of data analytics to ongoing initiatives aimed at enhancing student success at the UFS



What are dashboards?

A **dashboard** is an information management tool that;

- Visually tracks, analyses and displays key performance indicators (KPIs).
- Uses key data points for monitoring purposes.
- Is customizable.



Types of Dashboards

Operational Dashboards

- Monitor real time operations and alerts
- Tool: Enterprise reporting systems
- Frequently updated
- Provides record level alerts
- Drill through to more detail

Strategic Dashboards

- Provides overall health of organization
- Used to identify potential opportunities for further analysis
- Simple, less detail
- Less interactive

Analytical Dashboards

- Provide data required to understand trends
- Compares across time
- Data dense
- Most complex of all 3
- More interactive than all 3
- Multiple filters



Why use Dashboards?

- Secure information.
- Live, accurate and consistent information.
- One version of the truth.
- Easy to read and analyse.
- Improve access to institutional information.
- Empower all users across the institution.
- Decreases the load of ad-hoc queries.



I hope that you find it to be helpful and feel free to contact us if you need more information.

Please find the attached document containing the information that you've requested. Please note that only students that are registered for 2016 reflect on the document.

I hope that you find it to be helpful and feel free to contact us if you need more information.

iv) you assist me with the 2010 statistics in **Mullinn Extended and B. Mullinn** (individualism studies) for the QwaQwa campus.

As per our conversation on Friday, we had to restructure the test due to the complex manner in which applications are captured and stored. For now what we did is have a look at

Ek sien nou in die vraelys wil hul dit soos v

Thanks for this, can I ask if it's possible to add the following question to the survey? Undergraduates het net? well? It would help a lot. e possible to please

Current consistent

Hi Wa 2013, 2014 and 2015 outp...
Com...ber, Cell phone details

Hier is die lys. Ek Engineering & Geology. Hierdie lys die studentenommers van die studente wat vir die tweede semester op die Suidkampus

I'm so sorry to botch this. Can you please provide current and 2015 ID numbers as well please? I now need to link the student's work from each of those years with all their marks. Would it be possible to please send me the ID numbers as well please? I now need to link the student's work from each of those years with all their marks. Would it be possible to please

Ek sien nie Please find the attached document. It is c

Na aani Hope you are well, we are busy with our surveys and we need
geregistreer is in ons Fakulteit.

Kan jy asb vir my 'n lys stuur van die internasionale adrese en ook in watter akkommodasie hul bly.

Thank you SO much for all the help! I've mailed a copy of the MQA Bursar's letter to the students, hopefully soon. The students wat kwalifiseer vir NSFAS tans dit ontvang?

A I need their credit load in the year that they were in philosophy 1

Please find the list of modules attached. We need to get a complete database of students who are registered for faculty of law modules.

Baie dankie hiervoor. Jacques het my vanoggend verduidelik hoe julle dit uitgewerk het en dat ek die vraag verkeerd gevra het. Kan ek dus vra, hoeveel % van ons geregistreerde studente wat kwalifiseer vir NSFAS tans dit ontvang?

I hope you find the document to be in good order, and you are more than welcome to communicate should you need further assistance.

Na aanleiding van ons gesprek gisteroggend vra ek asb 'n lys van die voorgaande eerstejaars wat hierdie jaar vir die eerste keer in die EBW Fakulteit (Bloemfontein Kampus) geregistreer het asook op 'n aparte lys die studentennommers van die studente wat vir die tweede semester op die Suidkampus geregistreer is in ons Fakulteit.

Laat my weet as daar nog iets is.

BD – Before Dashboard

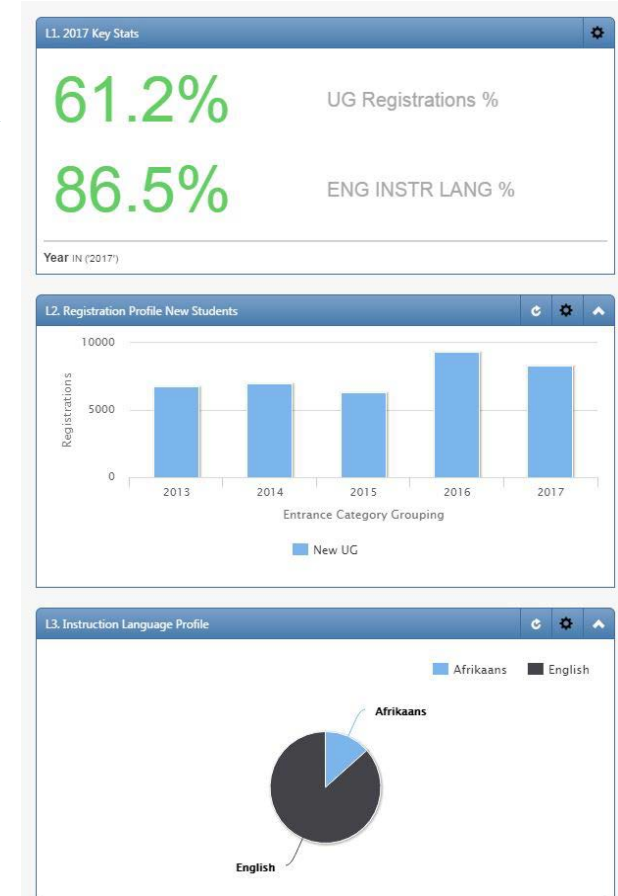


AD – After Dashboard



Inquiry – query – data - Information

%IND		
YEAR	FACULTY	PASS
2016	ECONOMIC AND MANAGEMENT SCIENCES	75.27%
	EDUCATION	73.57%
	HEALTH SCIENCE	77.22%
	HUMANITIES	72.72%
	LAW	73.94%
	NATURAL AND AGRICULTURAL SCIENCES	80.06%
	THEOLOGY	86.87%

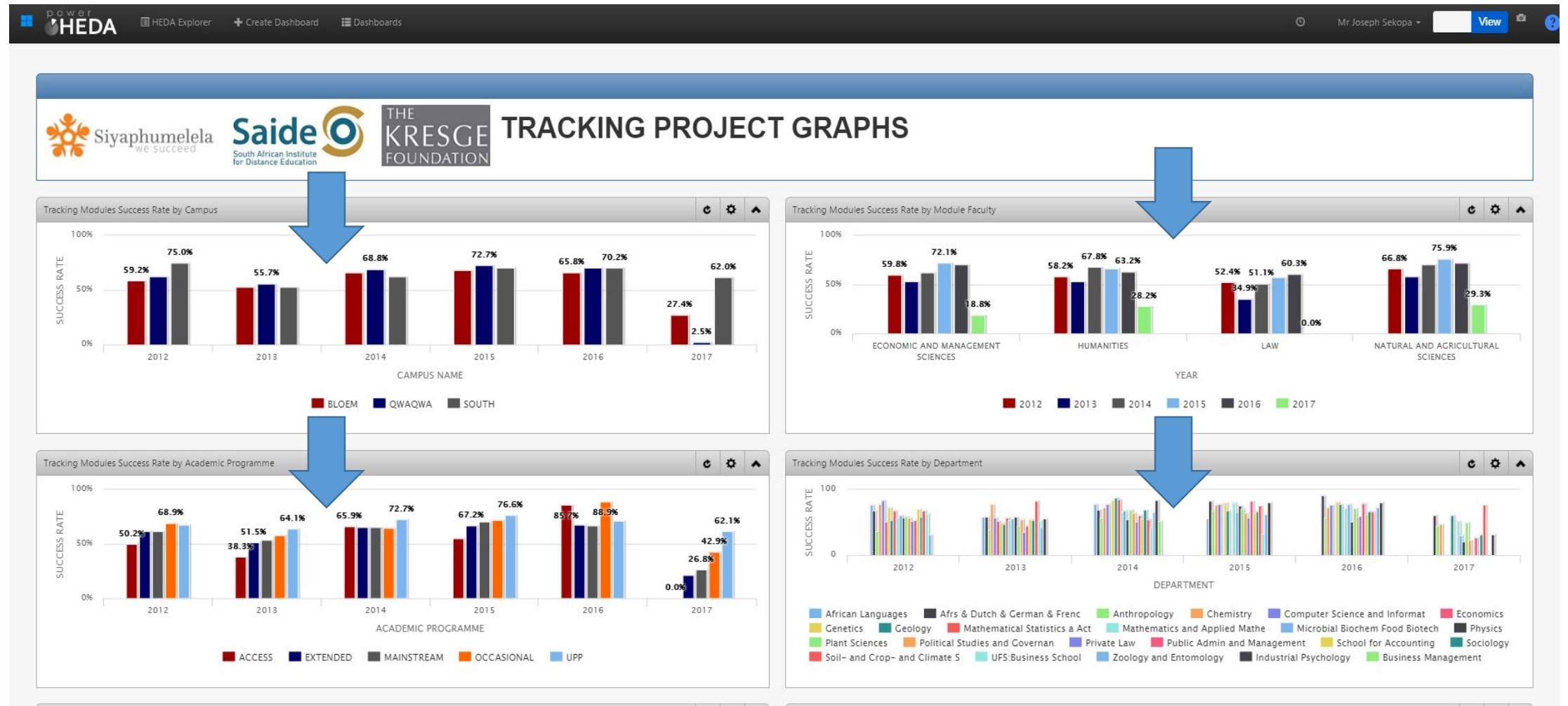


SWOT Principles

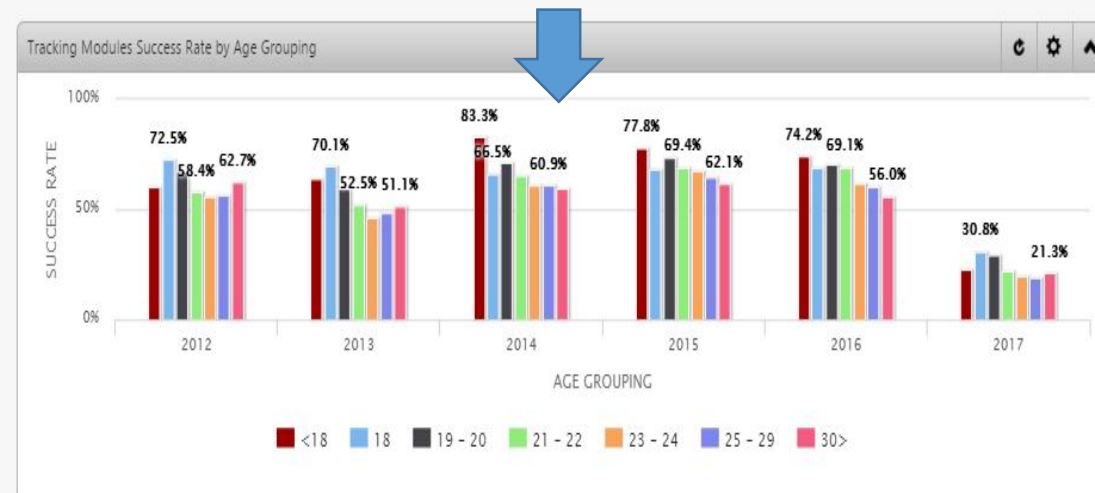
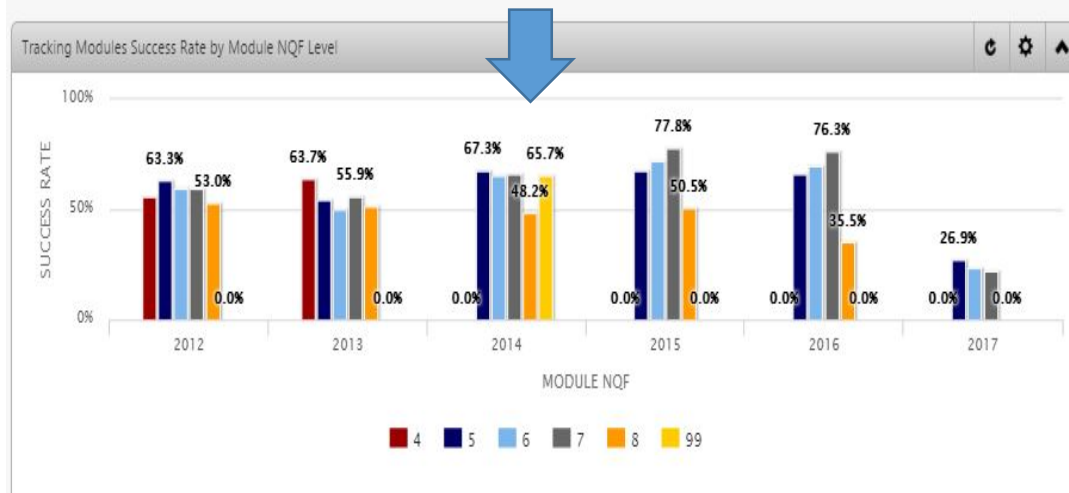
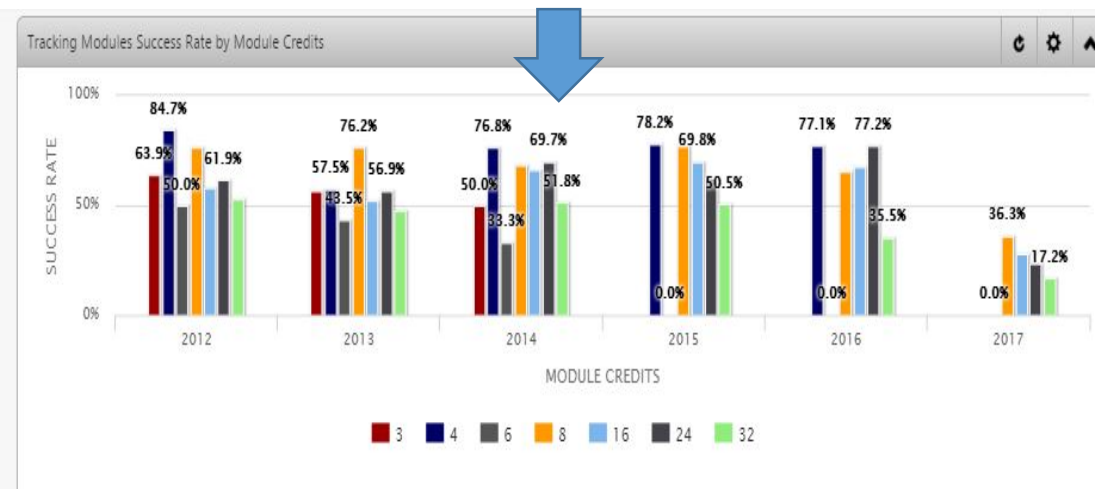
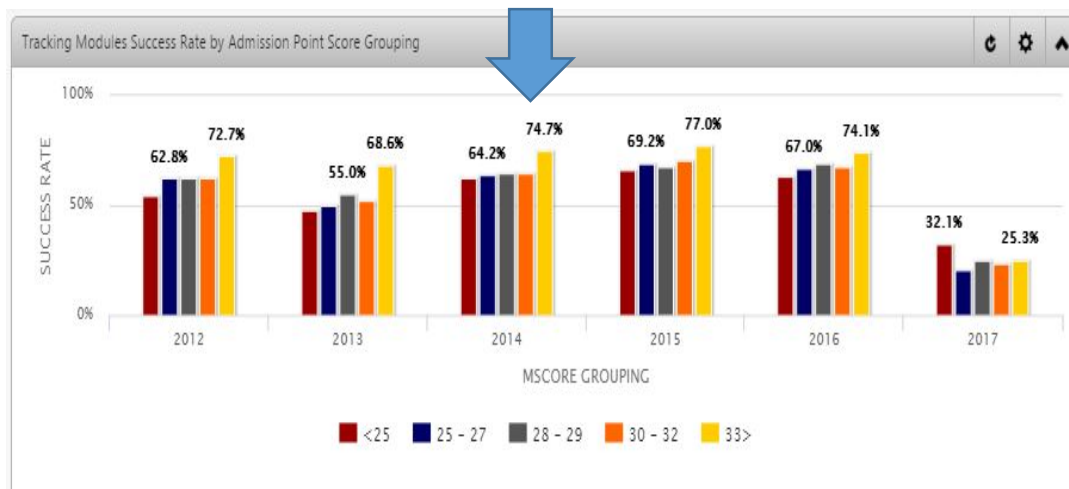
- Strengths
 - Users have support.
 - Accessibility.
- Weaknesses
 - Overloading users with information.
 - Cluttered graphs.
- Opportunities
 - Find ways of making data less intimidating to the intended users.
 - Improve on the user-friendliness & interactivity.
 - Host data summits.
- Threat
 - Users misinterpreting the information.



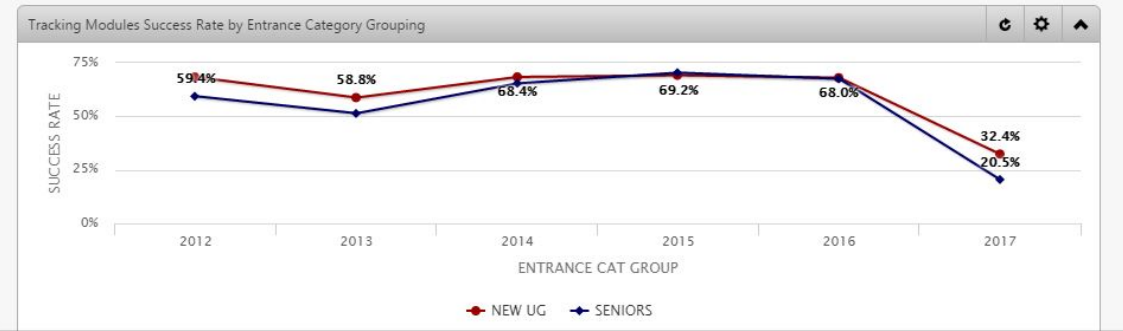
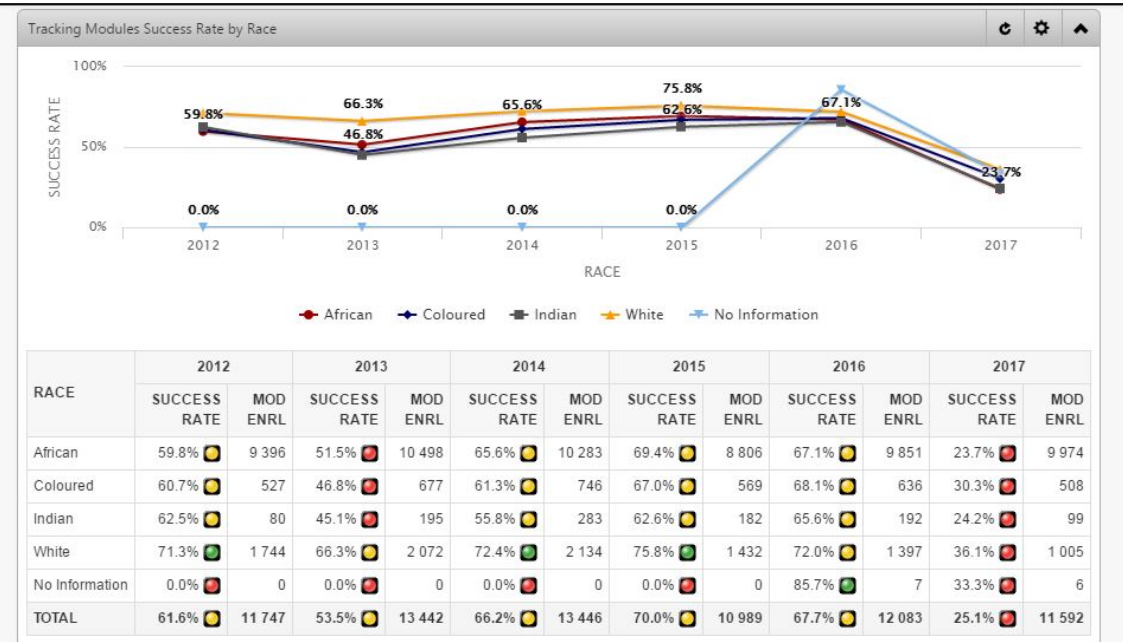
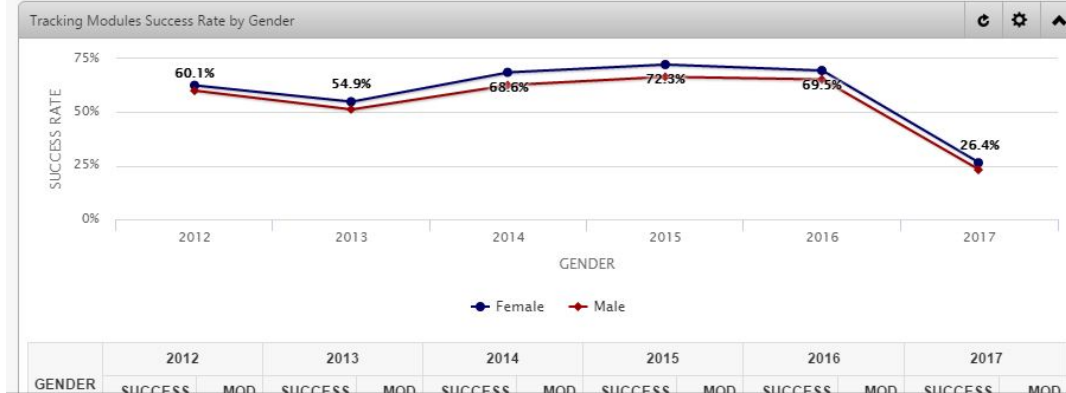
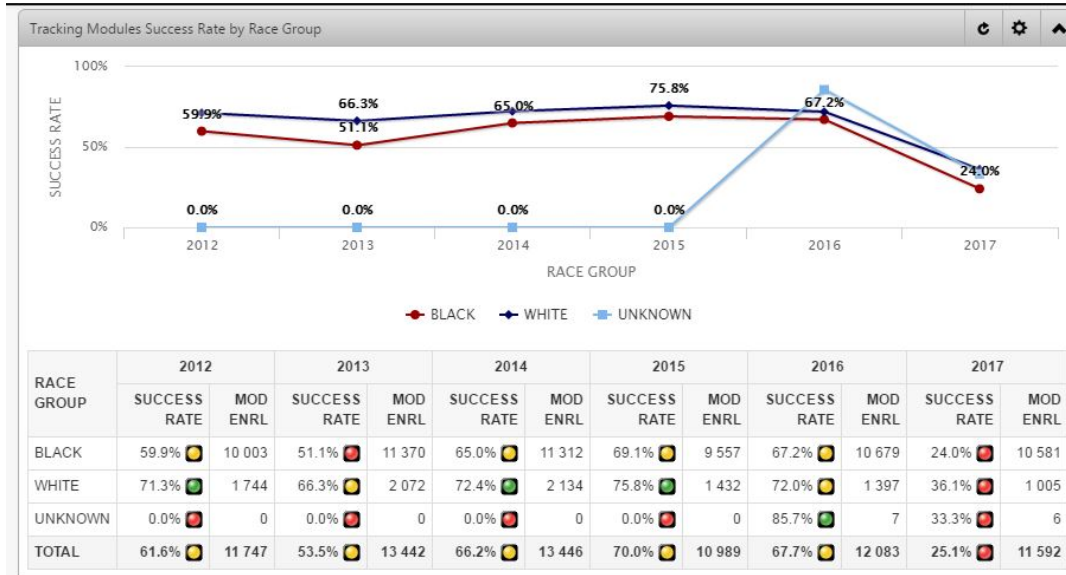
Dashboard layout



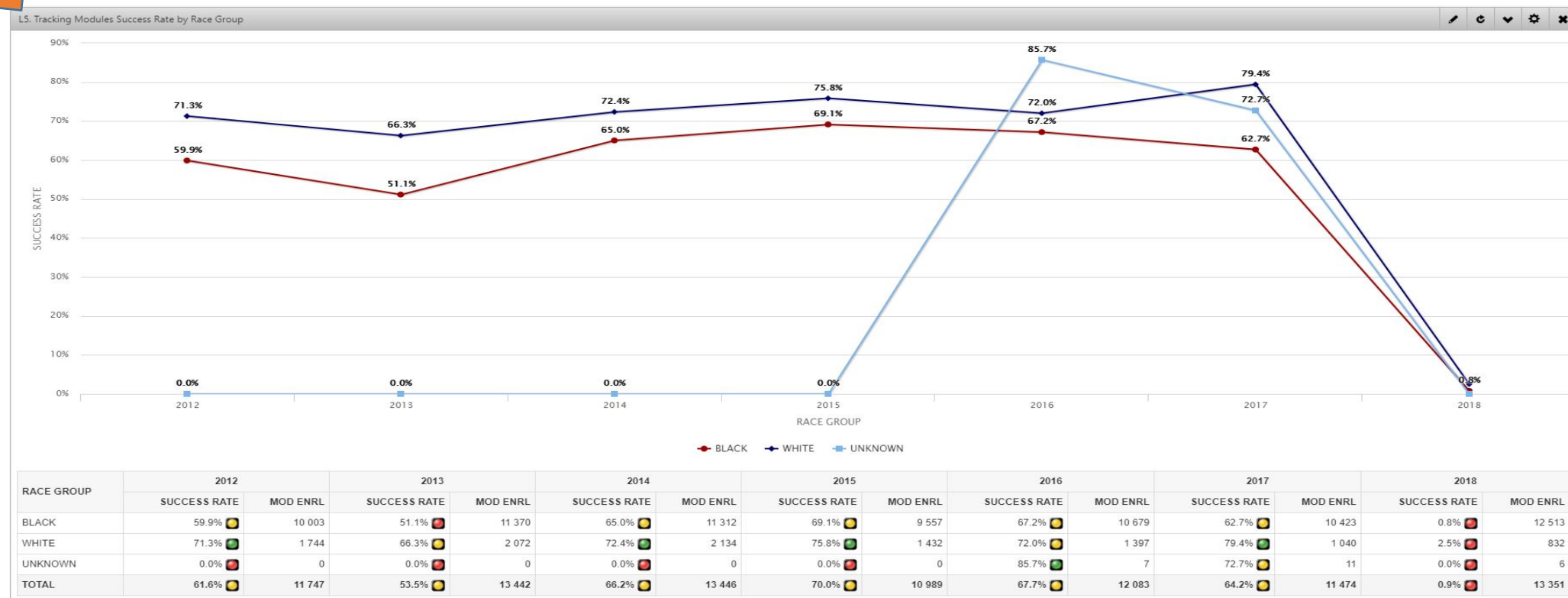
Dashboard layout



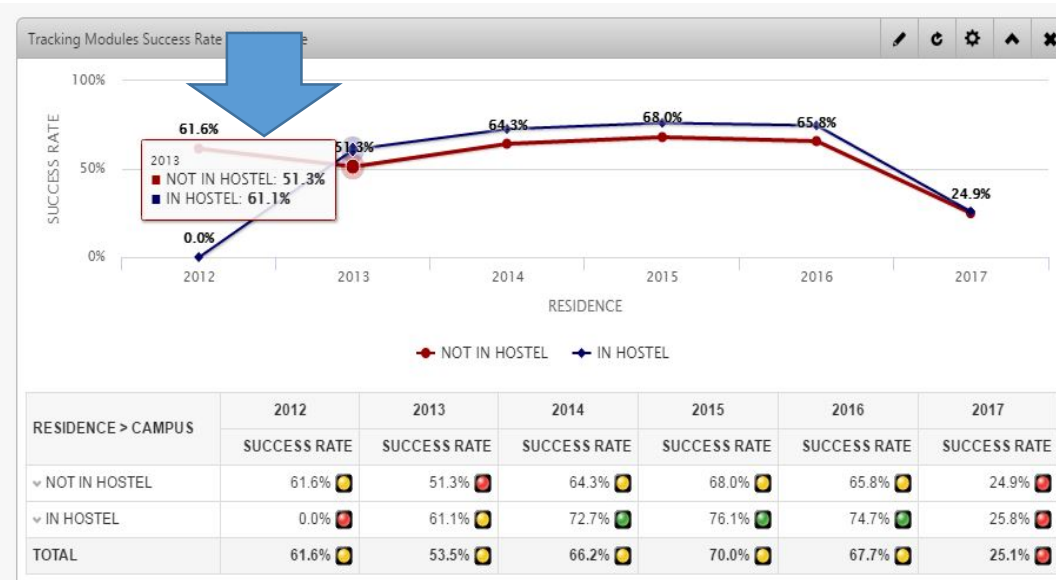
Dashboard layout



Dashboard widget



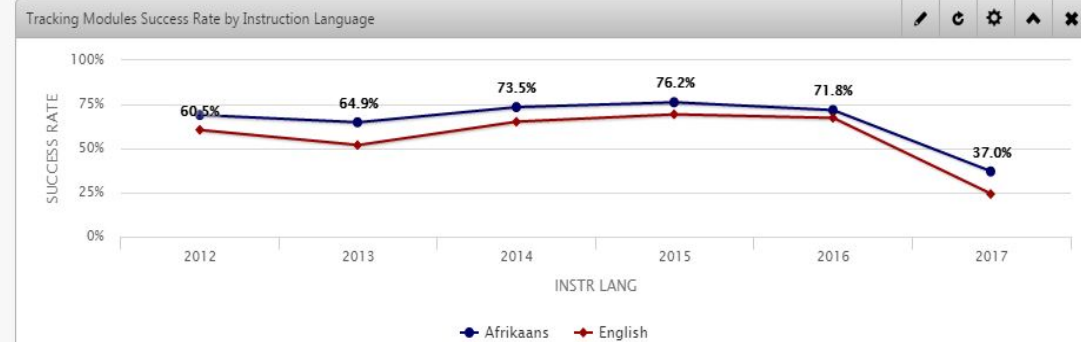
Hovering



Tracking Modules Success Rate by Campus & Department

CAMPUS NAME > DEPARTMENT > CRSE_ID > CRSE CODE > CRSE NAME	2012			2013			2014			2015			2016		
	MOD ENRL	SUCCESS RATE	PASS	MOD ENRL	SUCCESS RATE	PASS	MOD ENRL	SUCCESS RATE	PASS	MOD ENRL	SUCCESS RATE	PASS	MOD ENRL	SUCCESS RATE	PASS
▼ BLOEM	6 992	59.2%	4 137	8 120	52.6%	4 269	8 150	66.1%	5 391	6 516	68.7%	4 475	7 034	65.8%	4 137
▼ QWAQWA	3 875	62.8%	2 435	3 627	55.7%	2 019	3 045	68.8%	2 096	2 686	72.7%	1 954	3 191	70.5%	2 019
▼ SOUTH	880	75.0%	660	1 695	53.1%	900	2 251	62.8%	1 413	1 787	70.7%	1 264	1 858	70.2%	1 413
TOTAL	11 747	61.6%	7 232	13 442	53.5%	7 188	13 446	66.2%	8 900	10 989	70.0%	7 693	12 083	67.7%	8 900

TOTAL	61.6%	53.5%	66.2%	70.0%	67.7%	25.1%
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INSTR LANG	2012		2013		2014		2015		2016		2017	
	SUCCESS RATE	MOD ENRL	SUCCESS RATE	MOD ENRL	SUCCESS RATE	MOD ENRL	SUCCESS RATE	MOD ENRL	SUCCESS RATE	MOD ENRL	SUCCESS RATE	MOD ENRL
Afrikaans	69.0%	1 465	64.9%	1 565	73.5%	1 565	76.2%	1 009	71.8%	1 024	37.0%	760
English	60.5%	10 282	52.0%	11 877	65.2%	11 880	69.4%	9 980	67.4%	11 059	24.2%	10 832
TOTAL	61.6%	11 747	53.5%	13 442	66.2%	13 445	70.0%	10 989	67.7%	12 083	25.1%	11 592

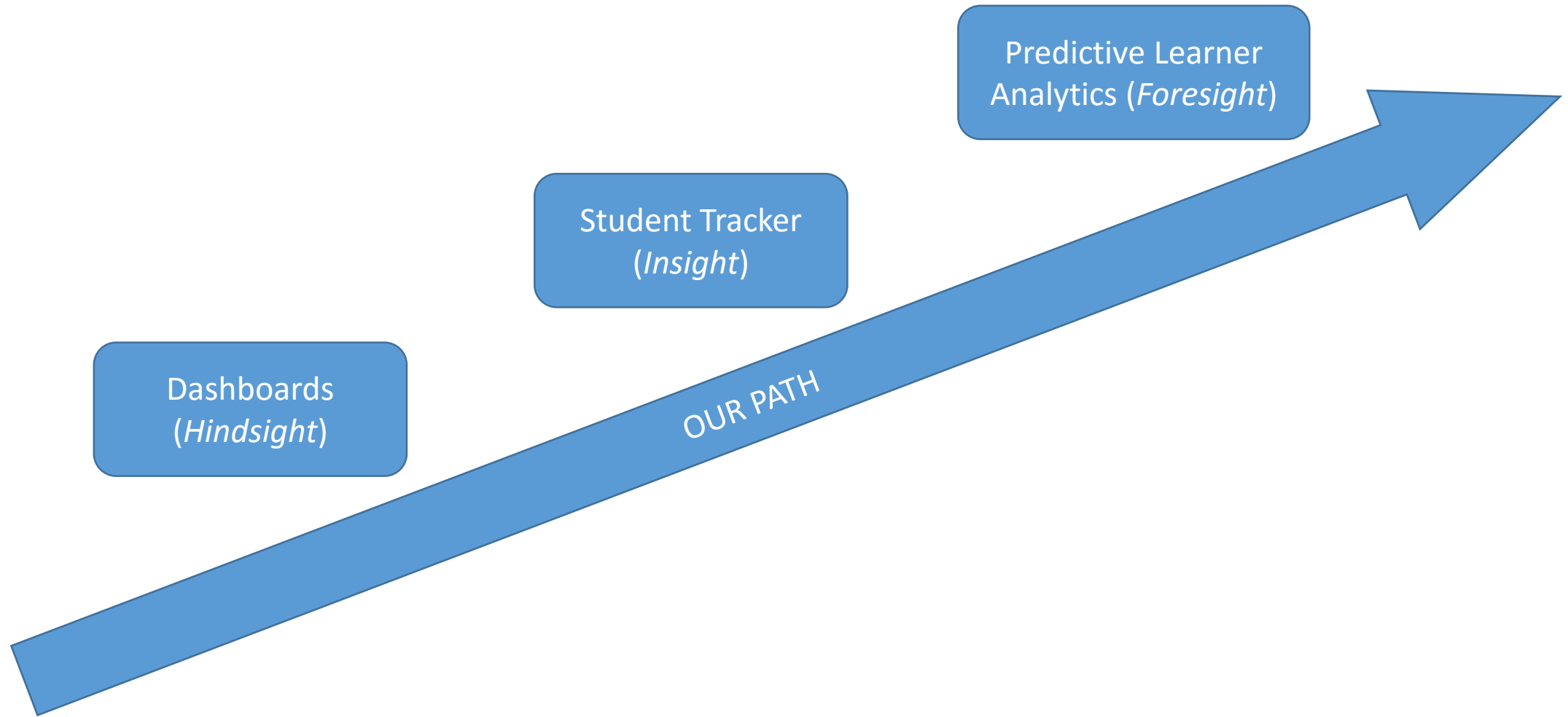
Related Dashboard

Siyaphumelela Tracking Project - Detailed
UFS Success Rate Overview

Challenges



Way forward



Questions?

