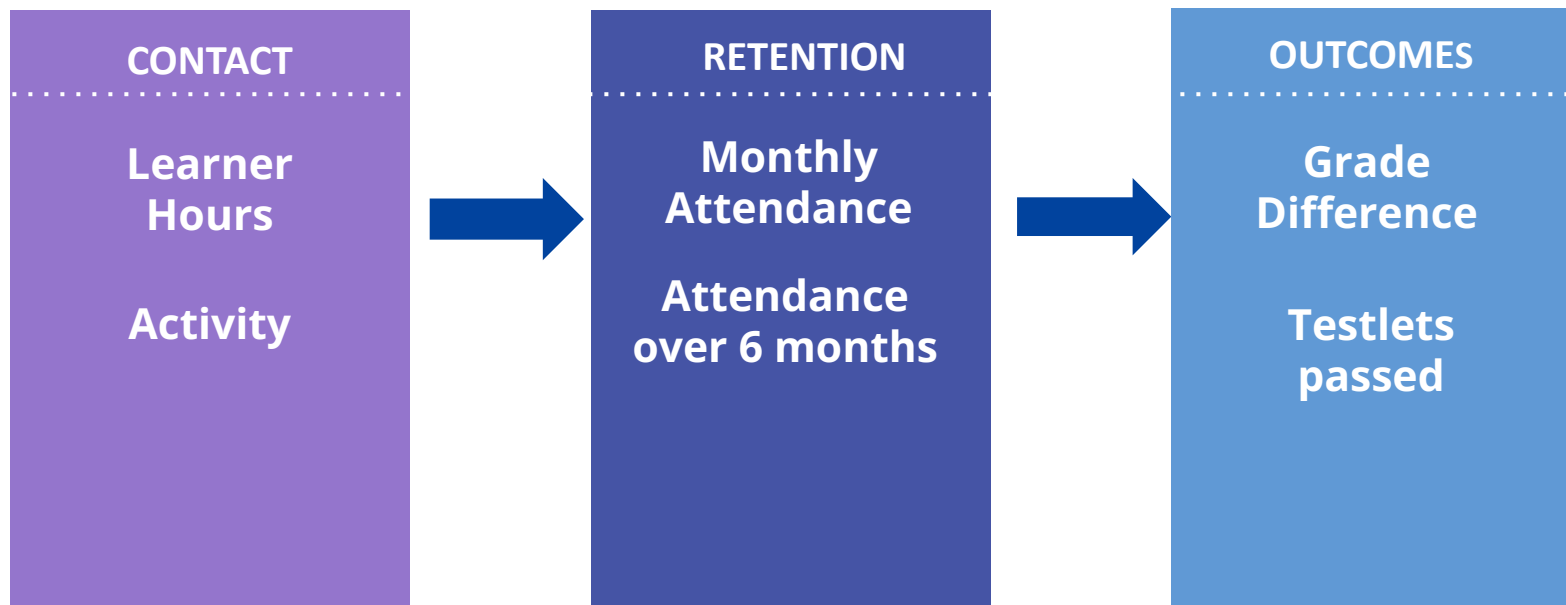# EDULUTION

An innovative learning platform for the developing world enabled by technology, data and incentivised coaches

M&E Dashboards 1022

What we Measure

Edulution is able to assess activity and progress of a learner, performance of a centre and the coaches working there - which forms the basis of their pay. Edulution measure 3 main KPI's: contact, retention & outcomes.
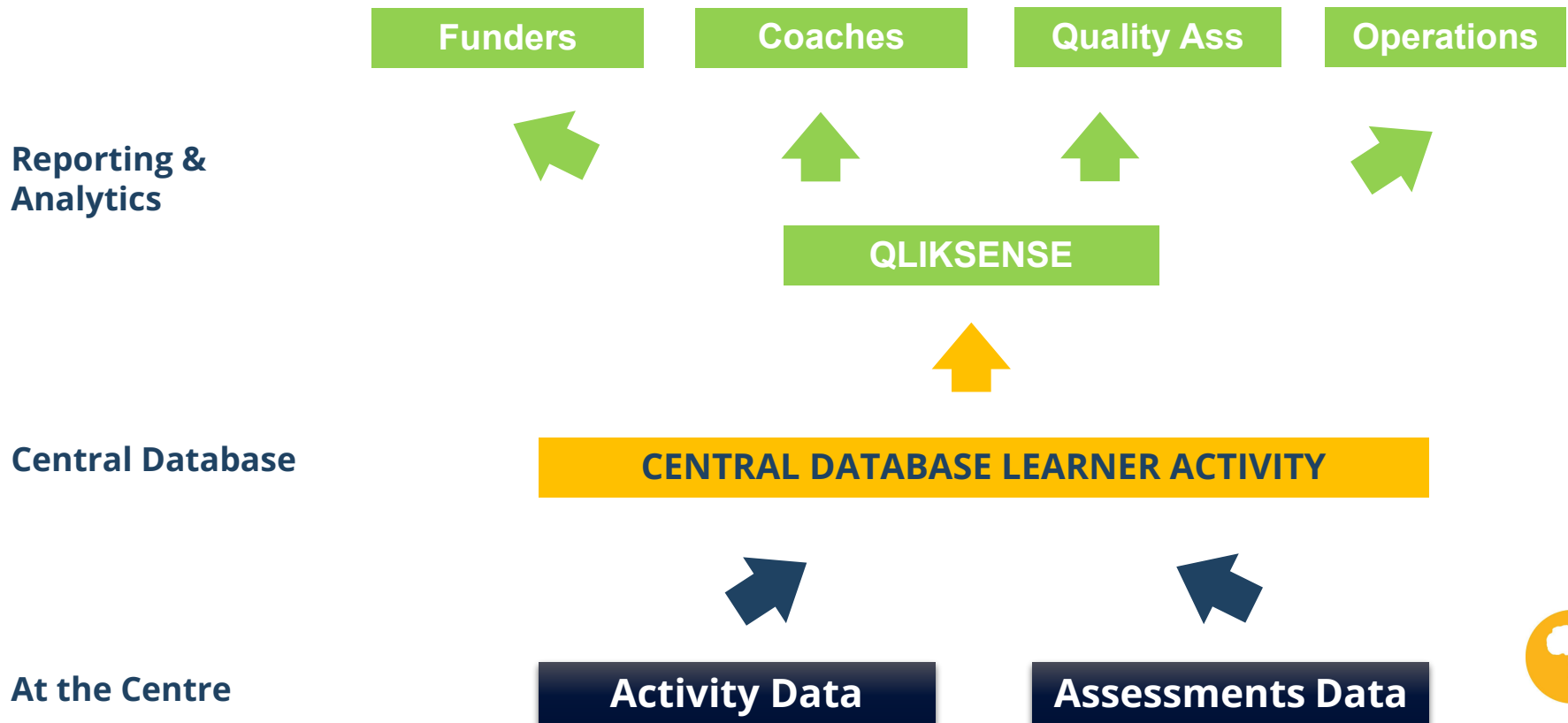
CONTACT	RETENTION	OUTCOMES
Learner Hours **Activity**	**Monthly Attendance** **Attendance over 6 months**	**Grade Difference** **Testlets passed**

A regular attending learner who is progressing is worth more than double an irregular attending poorly performing learner.
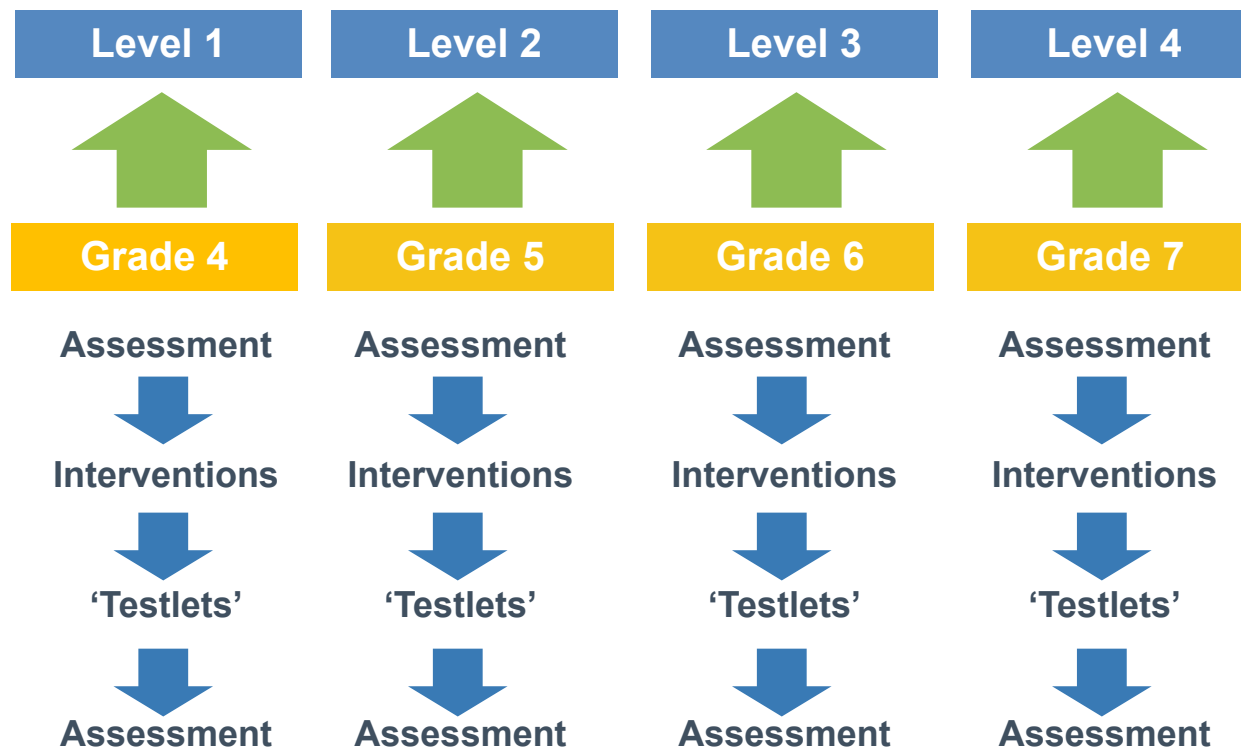
Understanding the Edulution Platform Data Flow

Learner activity and assessment data is sent over a low bandwidth connection to a central database monthly where it is processed. Learner performance is monitored and outcome funding and coach payments are calculated. The results are analysed, reported on and made available to stakeholders in filterable graphical- and data dashboards.

| Funders | Coaches | Quality Ass | Operations |

Reporting & Analytics

QLIKSENSE

Central Database

CENTRAL DATABASE LEARNER ACTIVITY

At the Centre

| Activity Data | Assessments Data |

Engaging Learner Journey

At each level, Learners start with a 'baseline' assessment. Problem areas are identified and the learner engages with exercises & videos, facilitated by the coach. The curriculum is divided into 4 sections. Once a section is mastered the learner does a 'Testlet'. When all 4 sections are mastered. The baseline assessment is repeated and the final score reported.

Independent Evaluations are conducted separately.

Level 1	Level 2	Level 3	Level 4
⬆	⬆	⬆	⬆
Grade 4	Grade 5	Grade 6	Grade 7
Assessment	Assessment	Assessment	Assessment
⬇	⬇	⬇	⬇
Interventions	Interventions	Interventions	Interventions
⬇	⬇	⬇	⬇
'Testlets'	'Testlets'	'Testlets'	'Testlets'
⬇	⬇	⬇	⬇
Assessment	Assessment	Assessment	Assessment

Contact, Retention, Outcomes

This example of a reporting dashboard illustrates the summary of contact, retention and outcomes at all the learning centres for a particular month.

Summary Contact, Retention, Outcomes (Month)

Centre Contact, Retention & Outcomes
For Mar 2022

Country · Cluster · Centre · Month End · Values

Mar-22

	Targets	Learners	Logins	Hrs / learner	Contact (hrs)	Contact (score)	Ret Short	Ret Long	Tests	Grade Diff	Overall
Spain	264-8-12	3 474	6,7	11,3	39 204	95%	79%	61%	58%	34%	76%
Barcelona	265-8-12	2 798	6,5	11,1	30 932	97%	78%	58%	56%	37%	77%
BAB	270-8-12	303	5,9	10,7	3 231	100%	73%	49%	45%	28%	76%
BAC	260-8-12	239	6,3	10,0	2 390	77%	78%	62%	62%	38%	61%
BAE	260-8-12	353	6,6	13,4	4 719	151%	83%	55%	53%	37%	119%
BAF	260-8-12	261	6,9	12,4	3 236	104%	83%	64%	49%	32%	81%
BAG	260-8-12	264	4,6	9,2	2 420	78%	57%	56%	77%	45%	61%
BAL	270-8-12	287	6,6	9,9	2 838	88%	81%	50%	44%	45%	68%
BAM	260-8-12	280	5,3	8,7	2 437	78%	66%	52%	45%	40%	59%
BAO	270-8-12	268	7,3	11,3	3 031	94%	87%	61%	72%	40%	77%
BAP	270-8-12	310	6,6	11,6	3 606	111%	79%	66%	39%	24%	86%
BAS	270-8-12	233	9,1	13,0	3 024	93%	88%	71%	80%	47%	81%
Valencia	260-8-12	676	7,5	12,2	8 272	88%	86%	73%	69%	22%	73%
VAA	260-8-12	274	7,0	11,4	3 119	100%	83%	67%	69%	20%	82%
VAM	260-8-12	152	9,3	13,7	2 081	67%	92%	78%	68%	30%	57%
VAS	260-8-12	250	7,1	12,3	3 072	98%	85%	77%	69%	20%	81%

76% Overall Score
95% Contact Score
70% Retention Sc...
46% Outcome Sc...
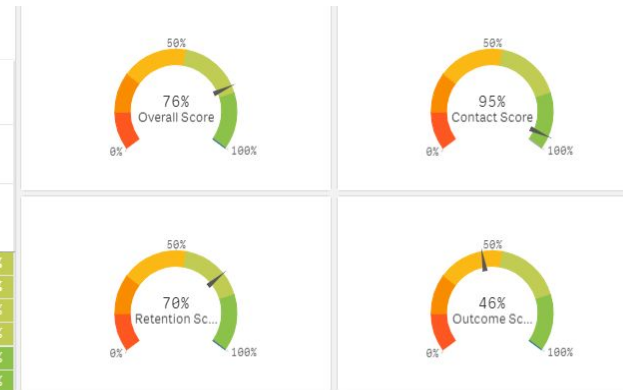
Centre Units Analysis
For Mar 2022

Contact · Retention · Outcomes

BAE
BAP
BAF
BAB
VAA

Active learners

This dashboard shows the number active learners at each centre across several months.

Active Learners by month for 2021

Active Learners

Country | Cluster | Centre | Month

	Mar-22	Feb-22	Jan-22	Dec-21	Nov-21	Oct-21	Sep-21	Aug-21	Jul-21
Spain	3 474	3 456	3 027	714	3 322	3 333	3 022	2 353	1 948
Barcelona	2 798	2 749	2 318	588	2 558	2 578	2 589	2 353	1 948
BAB	303	272	233	-	262	263	267	267	202
BAC	239	240	231	-	243	244	245	244	235
BAE	353	343	227	138	247	248	246	250	243
BAF	261	246	236	-	256	257	258	280	263
BAG	264	268	198	131	248	246	253	250	199
BAL	287	288	276	-	290	307	307	323	233
BAM	280	285	207	107	251	250	250	246	145
BAO	268	255	217	83	244	246	245	230	217
BAP	310	317	259	129	267	266	265	-	-
BAS	233	235	234	-	250	251	253	263	211
Valencia	676	707	709	126	764	755	433	-	-
VAA	274	249	247	99	262	261	-	-	-
VAM	152	205	207	-	231	227	219	-	-
VAS	250	253	255	27	271	267	214	-	-

Short Term Retention

This dashboard illustrates retention metrics for learners for all Centres for a particular month. The user can filter on a centre, a group of centres for a month, or series of months, etc.

Short term Retention

Days Attended (Nov 2021)

Number of Days Attended: 1 → 167, 2 → 245, 3 → 250, 4 → 280, 5 → 244, 6+ → 2 406
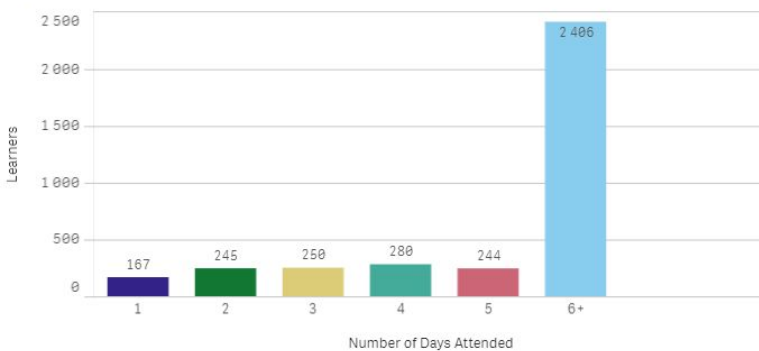
Active : On Program Ratio
96,2%

Active
3 592

Non Active - On Program
140

On Program
3 732

Active Learners Change
-64

Overall Learner Movement

3 656 | 11 | 2 | 98 | -74 | -101 | 3 592

Active Bgn of M... | New Learners | Rejoined Progr... | On Prog Returns | Left Program | Active Last Mo... | Active end of M...

The greatest level of granularity is at a cluster/centre/month level

---
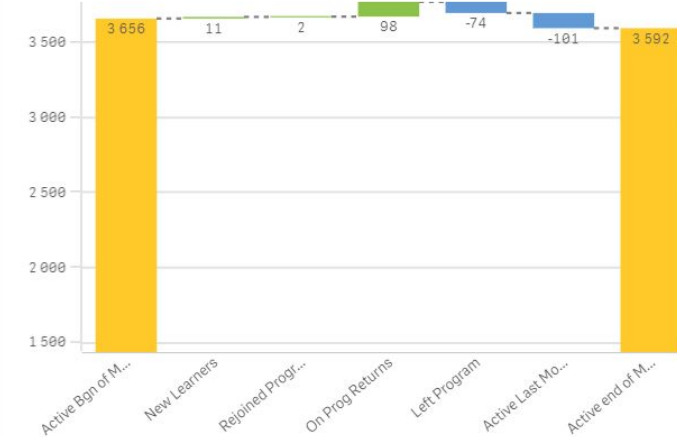
Days Attended in the Last 6 Months since Nov 2021
each bar divided by 6 to give monthly average

Average Days: 1 → 1 815, 2 → 1 975, 3 → 1 515, 4 → 1 290, 5 → 1 004, 6+ → 3 877
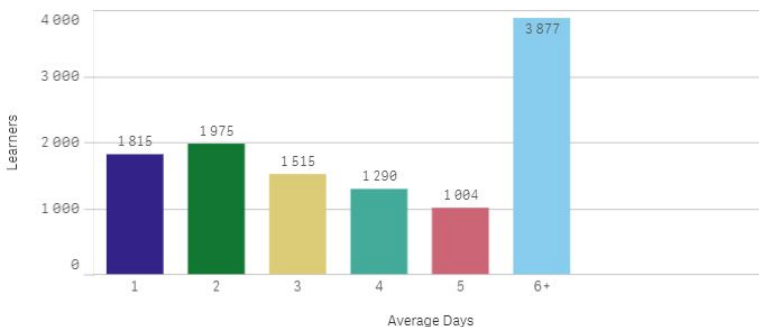
Learners & Hours by Days Attended
Area = total hours. Angle = % of learner

67.0%
6+

Definitions of Learner Status
Learners are considered "On Program" if they have attended a session within a consecutive three month period. If a Learner does not attend a session for more than three consecutive months, they are re-classified as "Off Program"

New Learners: First month active as an Edulution Learner

Rejoined Program: Learner rejoined program after a greater than 3 month absence (formerly "Off Program")

On Prog Returns: Learner was absent in prior month but has returned in current month

Left Program: Learner has been inactive for more than three months (now considered "Off Program")

Active Last Month: Learner is "On Program" and was present in previous month. But Learner is absent in current month
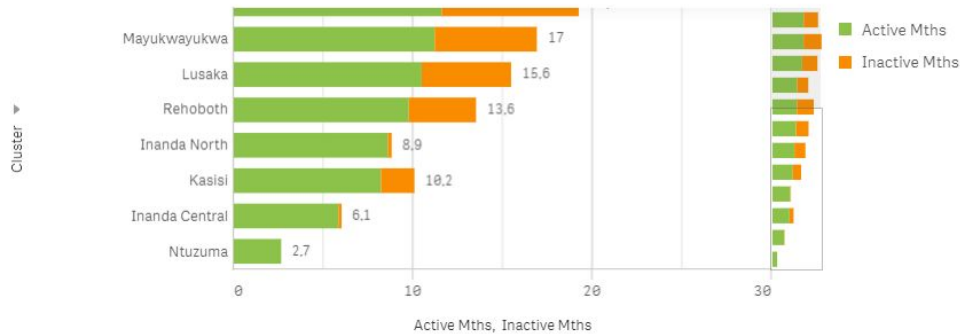
Long Term Retention

This dashboard illustrates various long-term learner retention metrics. Again, the user can filter on a centre, a group of centres for a month, or series of months.
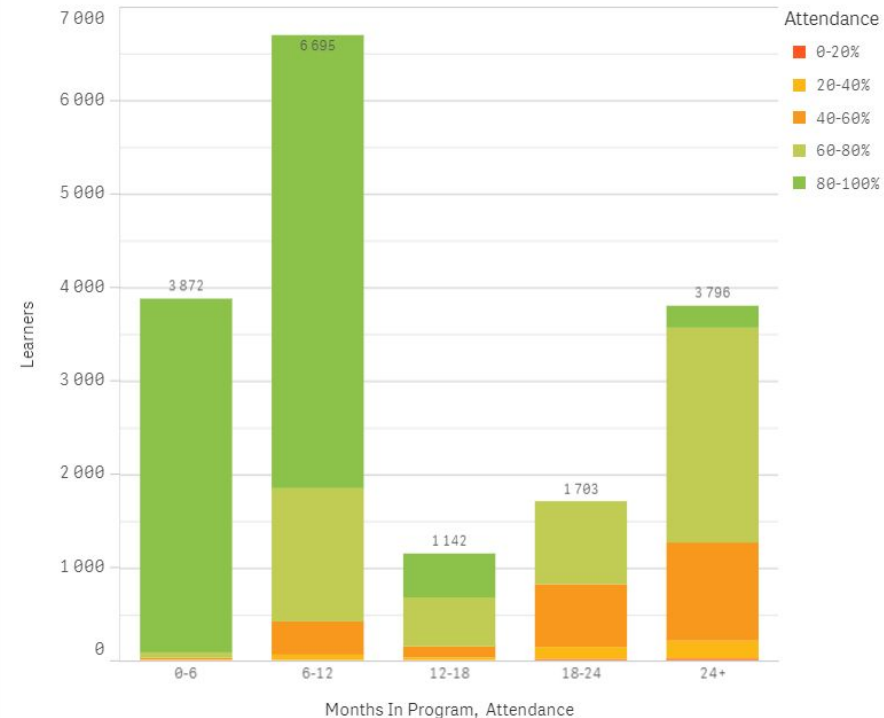
Average Months on Program
For on program learners

Active Mths
Inactive Mths

Mayukwayukwa — 17
Lusaka — 15,6
Rehoboth — 13,6
Inanda North — 8,9
Kasisi — 10,2
Inanda Central — 6,1
Ntuzuma — 2,7

Active Mths, Inactive Mths

Active Learners, New to Program
For active centres

Active Learners
New to Program

2019   2020   2021

Months in Program, Attendance
For on program learners

Attendance
■ 0-20%
■ 20-40%
■ 40-60%
■ 60-80%
■ 80-100%

3 872
6 695
1 142
1 703
3 796

0-6   6-12   12-18   18-24   24+

Months In Program, Attendance

Learner Outcomes

The top dashboard looks at how many hours the average learner attended Edulution sessions at each centre in a specific month. The graph below shows the average number of exercises completed per learner per hour at each centre in a specific month.

Components Mastered by Centre for a Month
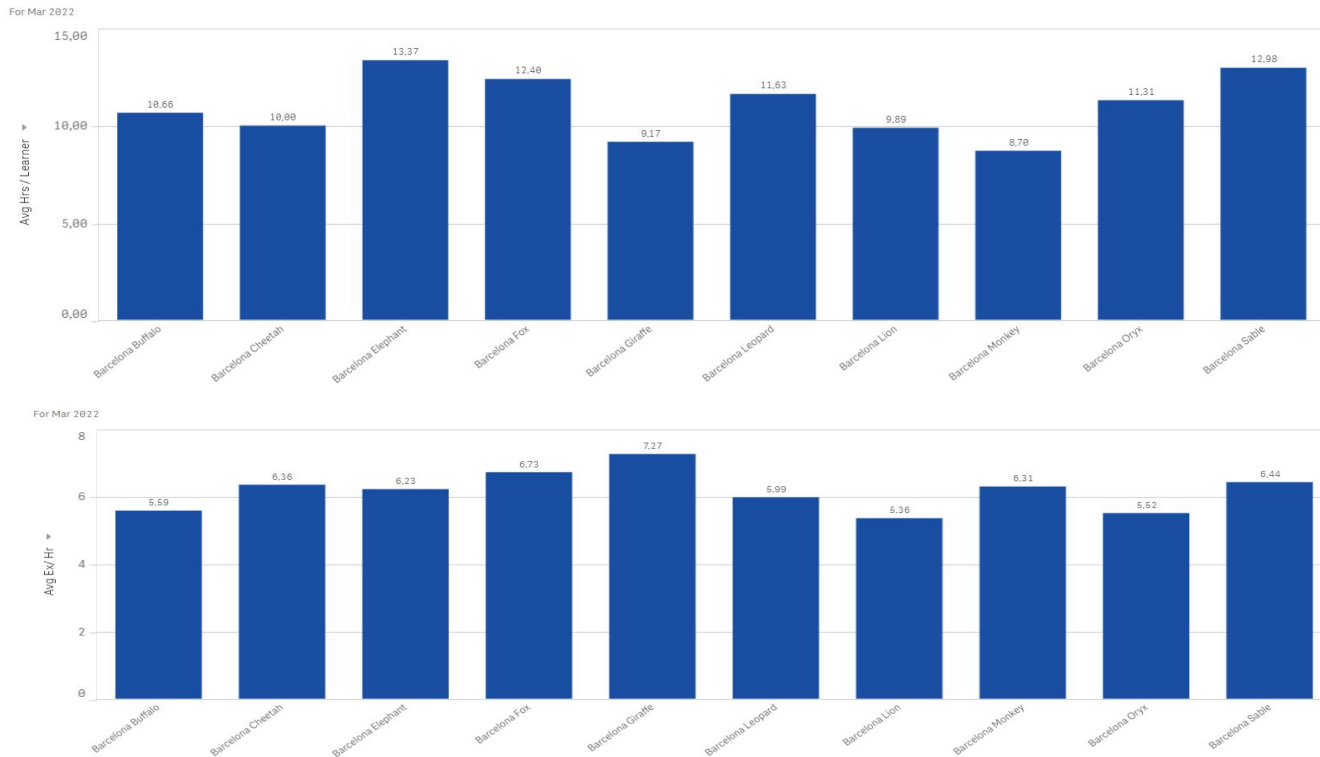
Learner Progress & Velocity

This dashboard shows how learners in the various grades are distributed across the different levels of the catch-up courses. The user can filter on a grade level, a centre or a group of centres.

Graduates by Month by Centre for 2021

Course Levels by Grade
For 'on program' learners

Legend: Level 1, Level 2, Level 3, Level 4, Level 5

Y-axis: Number of Learners (0, 500, 1 000, 1 500)
X-axis: Grade, Current Course (4, 5, 6)
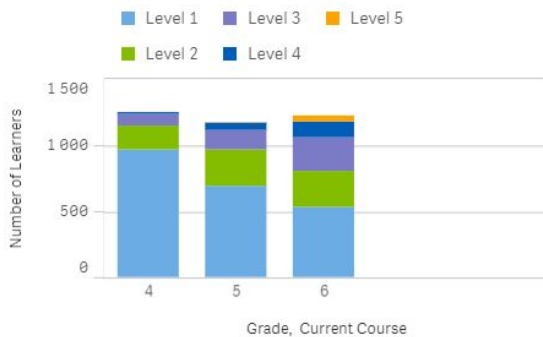
Learners in each Course
For 'on program' learners

- Level 1: 2 174
- Level 2: 723
- Level 3
- Level 4
- Level 5
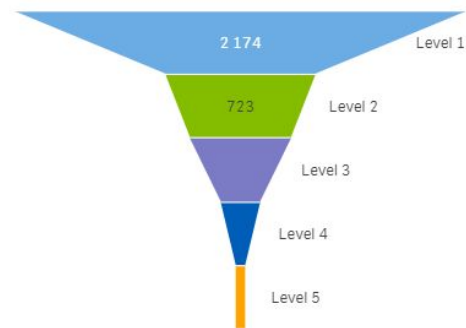
Time to Complete a Course
For all learners who have graduated a course and wrote 2 assessments

Course: Level 1, Level 2, Level 3, Level 4, Level 5
X-axis: Total Hours (0, 20, 40, 60)
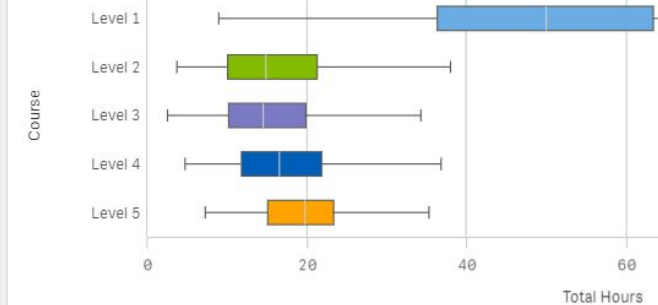
if no data display filter by 'level' using global search

Course Level by Centre
For 'on program' learners

Filters: Country, Cluster, Centre, Current Course

			Level 1	Level 2	Level 3	Level 4	Level 5
South Africa	Inanda Central	INB	110	63	34	29	11
		INE	116	49	68	19	4
		ING	197	61	37	10	-
		INI	213	36	12	1	-
		INU	166	60	45	13	5
		INW	242	20	4	-	-

Graduates (New 'Level' Courses)
For all learners who have graduated a course

Y-axis: Graduates (0, 200, 400, 600, 800)

- 2021-Nov: 691
- 2021-Oct: 442
- 2021-Sep: 494
- 2021-Aug: 373
- 2021-May: 149
- 2021-Apr: 101
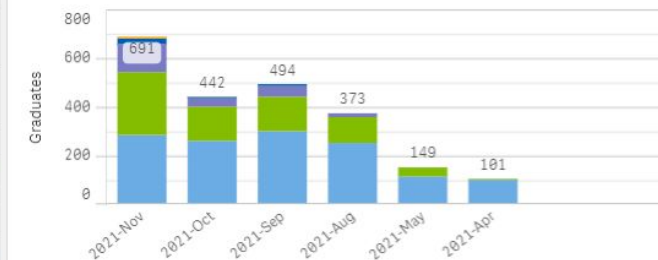
Monthly Learner Report

This dashboard looks at the current status of a learner at a particular centre. Each learner is assessed on contact time, retention and outcomes (progress). These metrics are summed into a final score and a star rating for each learner – a powerful cue for the Coaches to see where more attention is needed. Results of the pre-test and 'testlets' taken by learners on their current course level are also available.

Monthly Learner Report

Snapshot of On Program Learners at Mar 2022

Name	Surname	Username	Grade	Level	Grade Diff	Gender	Centre	Active Mths	Last Active	Logins pm	Hours pm	Hours Tot	Contact	Ret Short	Ret Long	Tests	Grade Diff	Overall Score	Star Rating
Totals					-2			9		6,0	11,7	297 967	97%	69%	50%	53%	41%	78%	3,6
Asanda	Ngwazi	angwaz10babf	7	4	-1	F	BAB	8	2022-Mar	6,3	10,6	85	88%	74%	44%	88%	67%	77%	3,8
Nosipho	Ngcobo	nngcob09babf	7	3	-2	F	BAB	8	2022-Mar	5,8	8,5	68	71%	72%	44%	58%	46%	56%	2,8
Sanele	Maphumulo	smaphu10babm	7	3	-2	M	BAB	9	2022-Mar	4,3	7,5	67	62%	53%	39%	67%	33%	48%	2,4
Samukelisiwe	Mthembu	smthem09babf	7	3	-2	F	BAB	8	2022-Mar	4,9	11,1	89	92%	59%	44%	83%	17%	71%	3,5
Amahle	Shangase	ashang10babf	7	3	-2	F	BAB	7	2022-Mar	5,0	9,5	67	79%	63%	38%	86%	28%	62%	3,1
Nosipho	Nhlapho	nnhlap09babf	7	3	-2	F	BAB	8	2022-Mar	6,1	10,9	87	91%	72%	44%	75%	21%	70%	3,5
Snethemba	Khumalo	skhuma10babf	7	3	-2	F	BAB	8	2022-Mar	4,8	7,6	61	63%	56%	35%	75%	29%	48%	2,4
Owami	Jiyane	ojiyan09babf	7	3	-2	F	BAB	9	2022-Mar	5,0	9,3	84	78%	61%	39%	67%	30%	62%	3,1
Phumzile	Mkwanyana	pmkwan10babf	7	3	-2	F	BAB	7	2022-Mar	7,0	11,3	79	94%	77%	50%	90%	43%	77%	3,9
Sihle	Gcaba	sgcaba10babm	7	3	-2	F	BAB	8	2022-Mar	4,4	7,8	62	65%	53%	44%	79%	37%	50%	2,5
Nonhle	Gumede	ngumed09babf	7	3	-2	F	BAB	9	2022-Mar	4,4	8,3	75	69%	54%	39%	63%	26%	53%	2,6
Amahle	Manzi	amanzi09babf	7	3	-2	F	BAB	8	2022-Mar	5,3	11,1	89	92%	59%	35%	83%	8%	71%	3,5
Bonginkosi	Ndzumo	bndzum08babm	7	3	-2	M	BAB	8	2022-Mar	4,5	8,9	72	75%	56%	42%	63%	21%	56%	2,8
Luyanda	Ngcobo	lngcob09babm	7	2	-3	M	BAB	1	2022-Mar	6,0	10,6	11	88%	75%	0%	33%	0%	56%	
Kwanele	Silangu	ksilan09babm	7	2	-3	M	BAB	9	2022-Mar	4,2	8,2	74	68%	51%	30%	26%	18%	47%	2,4
Kwanele	Cebekhulu	kcebek09babm	7	2	-3	M	BAB	9	2022-Mar	6,0	13,2	106	110%	75%	44%	71%	4%	84%	4,0
Amahle	Khumalo	akhuma08babf	7	2	-3	F	BAB	9	2022-Mar	4,9	10,8	97	90%	60%	39%	63%	4%	68%	3,4
Mandilive	Mapotiyela	mmapot08babm	7	2	-3	M	BAB	8	2022-Mar	4,9	8,3	66	69%	59%	25%	42%	21%	49%	2,4
Vano	Mpicose	vmpico08babm	7	2	-3	M	BAB	9	2022-Mar	4,6	10,2	92	85%	56%	31%	59%	0%	61%	3,1

Specific Learner Insights

This dashboard drills down on one particular learner and provides summary information & historical learner activity. This filterable dashboard allows coaches and program managers to zone in into any learner.
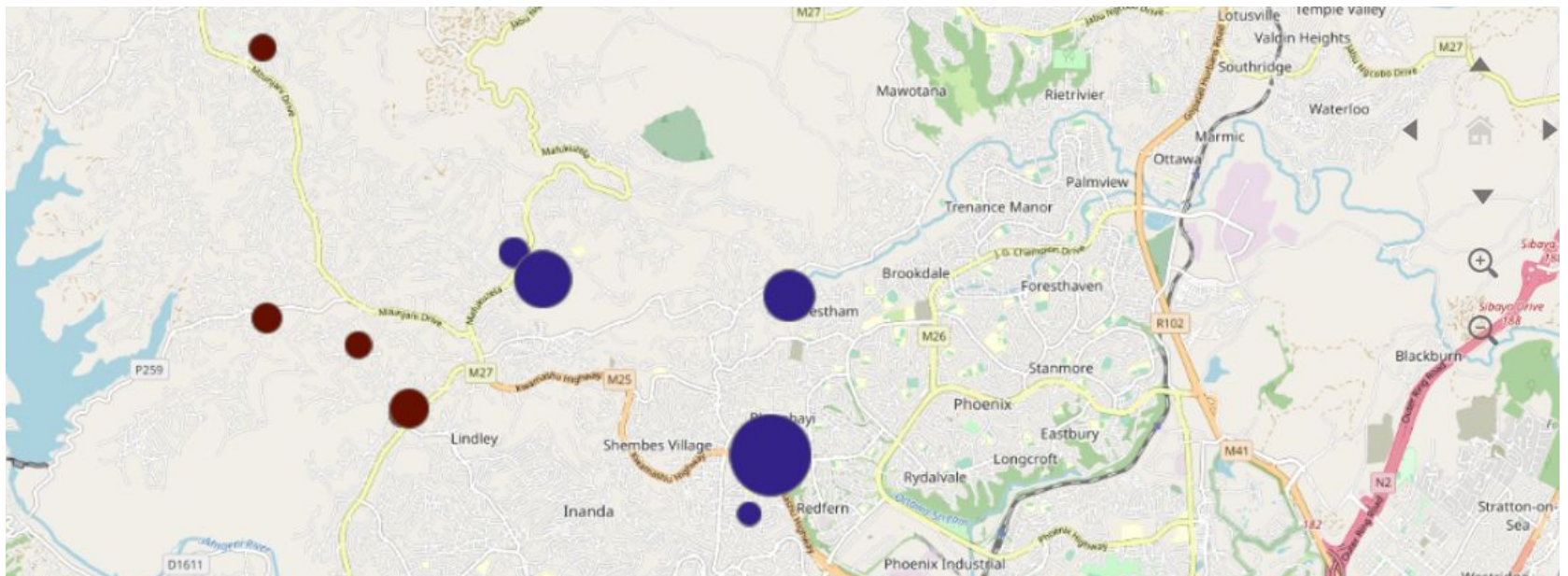
Deployment Maps

This dashboard illustrates where centres are located on a map and how big those centres are in terms of active learners. Other maps are available for other performance metrics.
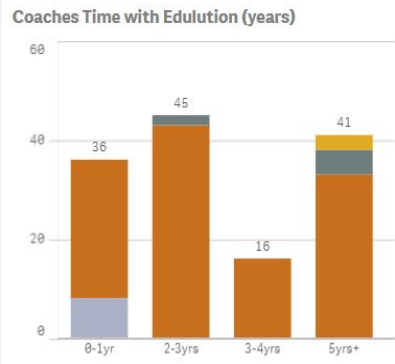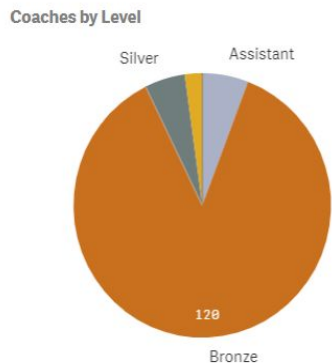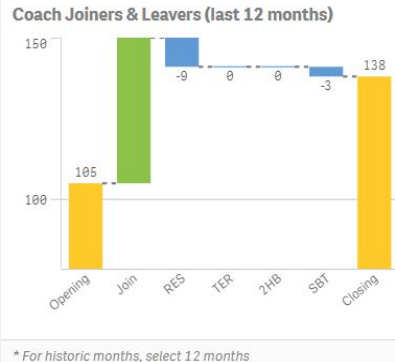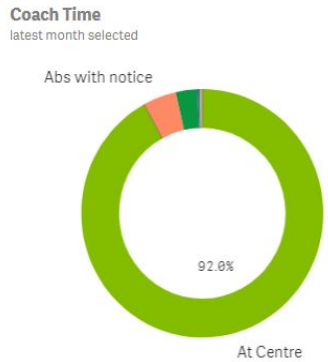
Deployment Bubble Map

Coach Summary Dashboard

Edulution also has reporting for Coaches. Below is the summary of various KPI's including coach level, tenure with Edulution, waterfall graphs of joiners/leavers, coach retention, promotions, and days.
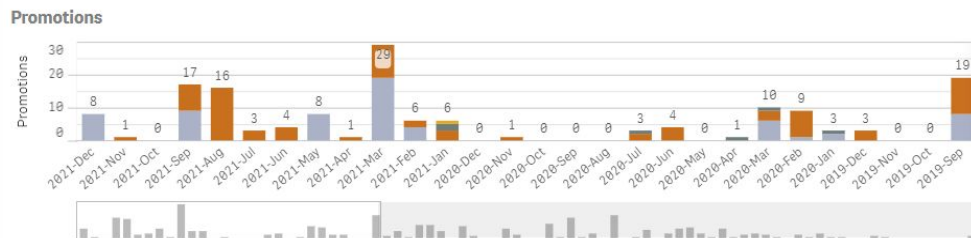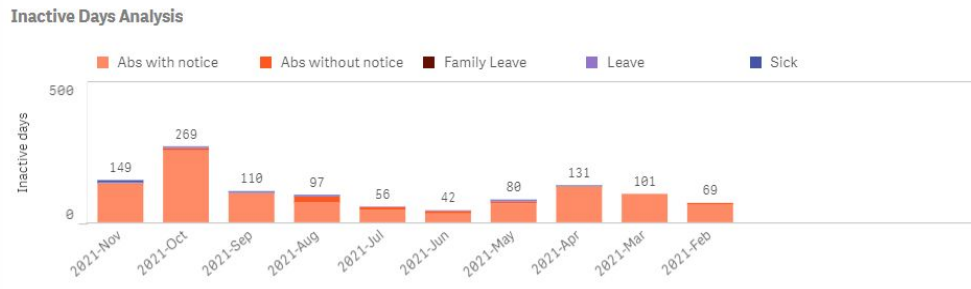
Coach Summary Dashboard

Coach Training

Below is report on the training modules provided to coaches. It is possible to filter by country, region, coach level, month of training, a specific coach, etc.
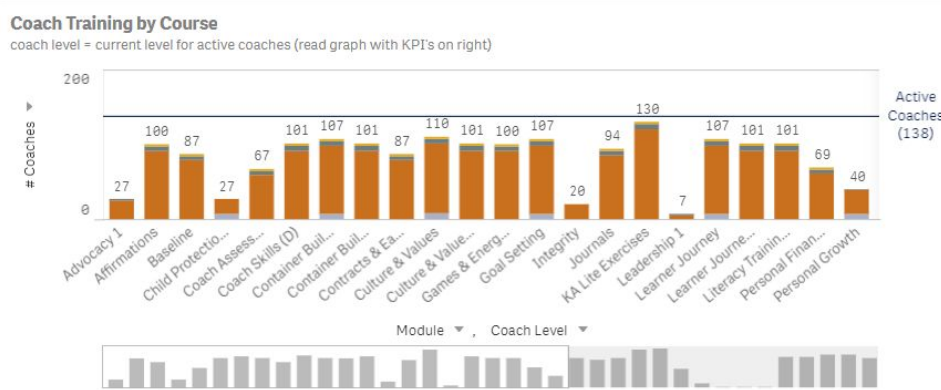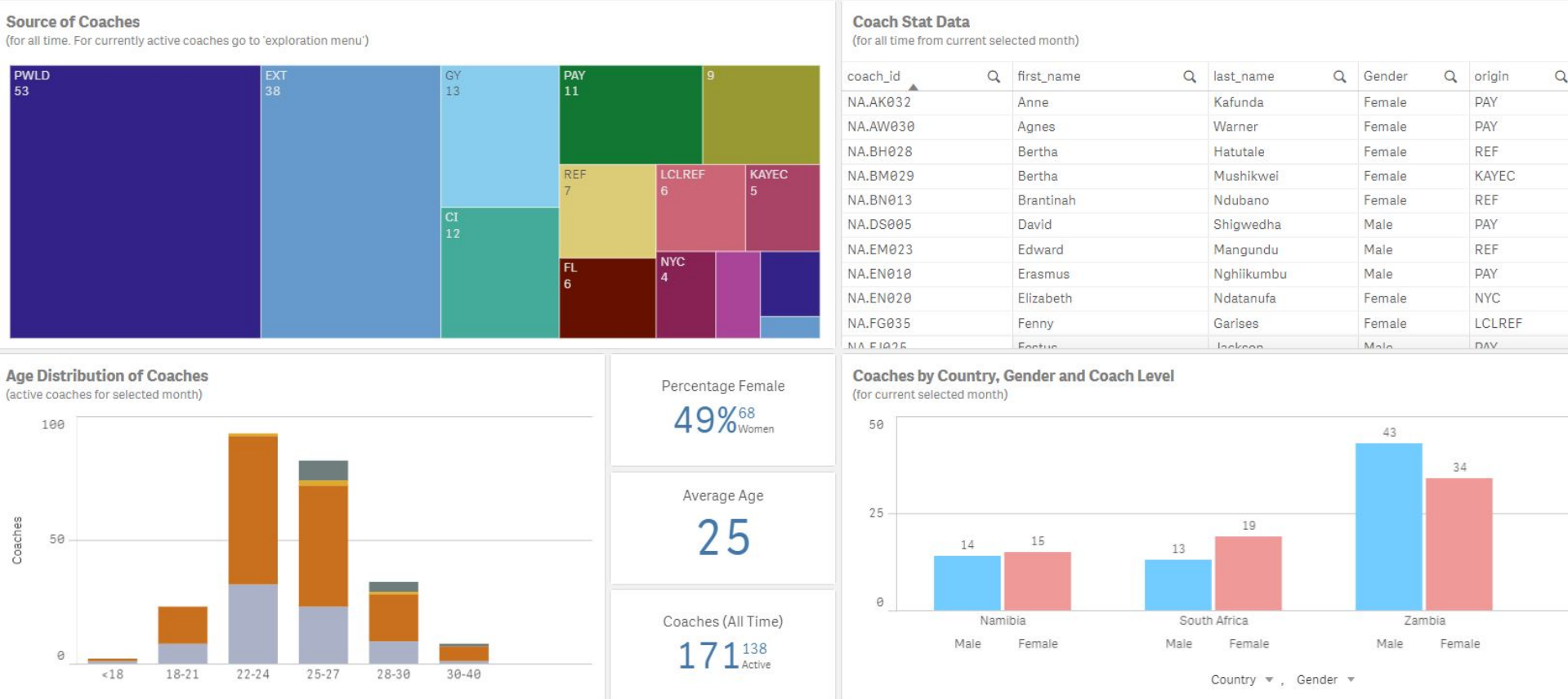
Coach Training

Coach Demographics

Below is report on the demographics of our coaches. Where they were sourced, age, gender, etc. The user can filter by country, region, coach level, etc.

[**Coach Demographics**]

Source of Coaches
(for all time. For currently active coaches go to 'exploration menu')

PWLD 53	EXT 38	GY 13	PAY 11	9
CI 12		REF 7	LCLREF 6	KAYEC 5
		FL 6	NYC 4	

Coach Stat Data
(for all time from current selected month)

coach_id	first_name	last_name	Gender	origin
NA.AK032	Anne	Kafunda	Female	PAY
NA.AW030	Agnes	Warner	Female	PAY
NA.BH028	Bertha	Hatutale	Female	REF
NA.BM029	Bertha	Mushikwei	Female	KAYEC
NA.BN013	Brantinah	Ndubano	Female	REF
NA.DS005	David	Shigwedha	Male	PAY
NA.EM023	Edward	Mangundu	Male	REF
NA.EN010	Erasmus	Nghiikumbu	Male	PAY
NA.EN020	Elizabeth	Ndatanufa	Female	NYC
NA.FG035	Fenny	Garises	Female	LCLREF
NA.FJ025	Festus	Jackson	Male	PAY

Age Distribution of Coaches
(active coaches for selected month)

Coaches — axis: 0, 50, 100
x-axis: <18, 18-21, 22-24, 25-27, 28-30, 30-40

Percentage Female

49% 68 Women

Average Age

25

Coaches (All Time)

171 138 Active

Coaches by Country, Gender and Coach Level
(for current selected month)

axis: 0, 25, 50

| Namibia | | South Africa | | Zambia | |
| Male 14 | Female 15 | Male 13 | Female 19 | Male 43 | Female 34 |

Country ▼ , Gender ▼

Coach Specific Dashboard

This dashboard drills down into one coach, listing personal information (some redacted) and the coach's history with Edulution as well as the training they have received.

Coach Specific Dashboard

Coach	Status	Gender	Age	Date Joined	Active Months	Coach Level	Training Modules	Cluster	Centre	# of Centres
ZA.GK014 : Gugulethu	Active	F	25	01 March 2021	10	bronze	22	Inanda Central	INB	1

Coach Credentials

Coach ID	First Name	Last Name	Gender	DOB	Age	Address	Mobile	Email
ZA.GK014	Gugulethu		F	16 May 1996	25	Umlazi, Durban, 4031		@edulution.org

Active Days & Commissions
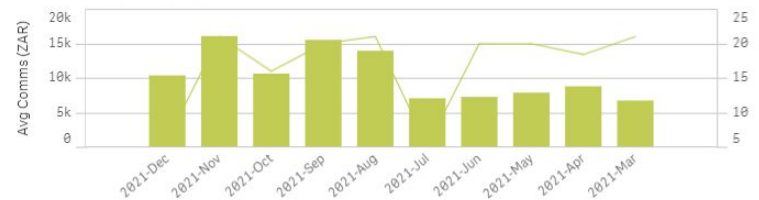
Monthly Pay Summary (local ccy)

Month	Active days	COMS	ALLOW	DEDN	LOAN	TAX	PMT	CMPY
Totals	**168,50**	**51 001,88**	**1 020,00**	**-159,09**	**0,00**	**0,00**	**51 862,79**	**25 500,94**
Dec 2021	6,00	5 029,98	130,00	0,00	0,00	0,00	5 159,98	2 514,99
Nov 2021	21,00	7 782,55	230,00	0,00	0,00	0,00	8 012,55	3 891,28
Oct 2021	16,00	5 159,90	130,00	0,00	0,00	0,00	5 289,90	2 579,95
Sep 2021	20,00	7 658,64	80,00	0,00	0,00	0,00	7 738,64	3 829,32
Aug 2021	21,00	6 894,75	50,00	0,00	0,00	0,00	6 944,75	3 447,38

Career Changes

Date	Change Description	Status
01 Mar 2021	Becomes Assistant	Active
01 Aug 2021	Assistant To Bronze	Active

Coach Notes

Date	Type	Description	Summary

Training Done

Date	Category	Course	Code	Description	Evaluation
23 Mar 2021	A2B	Assistant to Bronze	EV1	Culture & Values	pass
24 Mar 2021	A2B	Assistant to Bronze	GE1	Games & Energisers	pass
24 Mar 2021	A2B	Assistant to Bronze	PB	Prof Work Behav	attended
24 Mar 2021	A2B	Assistant to Bronze	T1	Tech Skills 1	pass
25 Mar 2021	A2B	Assistant to Bronze	IB	Personal Growth	pass
25 Mar 2021	A2B	Assistant to Bronze	T2	Tech Skills 2	pass
26 Mar 2021	A2B	Assistant to Bronze	CB1	Container Building	pass
26 Mar 2021	S2G	Silver to Gold	INT	Integrity	attended
01 Apr 2021	A2B	Assistant to Bronze	LJ1	Learner Journey	pass

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Thank you for your consideration.

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