



THE DUTCH AND GRONINGEN EXPERIENCES WITH STUDENT MONITORING



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Overview

Two parts:

1. Groningen and NL context (JvR)
2. UG student monitoring (JvdK)





Part 1: Groningen and NL context

1. University of Groningen
2. Dutch organisation Institutional Research
3. National student database: 1cijferHO





Groningen





405 years of tradition and innovation

- › Recognition of differences in talent and ambition
- › Stimulation of cross-border research and education
- › Student-oriented
- › Investment in the highest quality
- › Contributing to society by collaborations with public and private organizations





- › Founded in 1614
- › 3.1500 students, 7.019 international, 120 nationalities
- › 5.895 fte total personnel, 3.365 fte academic
- › 11 Faculties
- › 48 Bachelor's degree programmes
- › >100 Master's and specializations
- › 24 Double degree programmes
- › 6 Erasmus Mundus programmes
- › Total budget 667 M€



University of Groningen

120th (QS) · 79th (THE) · 66th (ARWU) | Netherlands | More details on this Institution

2013 to >2018 | no subject area filter selected | ASJC |

Summary Topics & Topic Clusters Collaboration Published Viewed Cited Authors Economic Impact Societal Impact Aw

+ Acc

Overall research performance

Scholarly Output

38,222 ▲

View list of publications

Citation Count

532,927

Authors

15,189 ▲

Citations per Publication

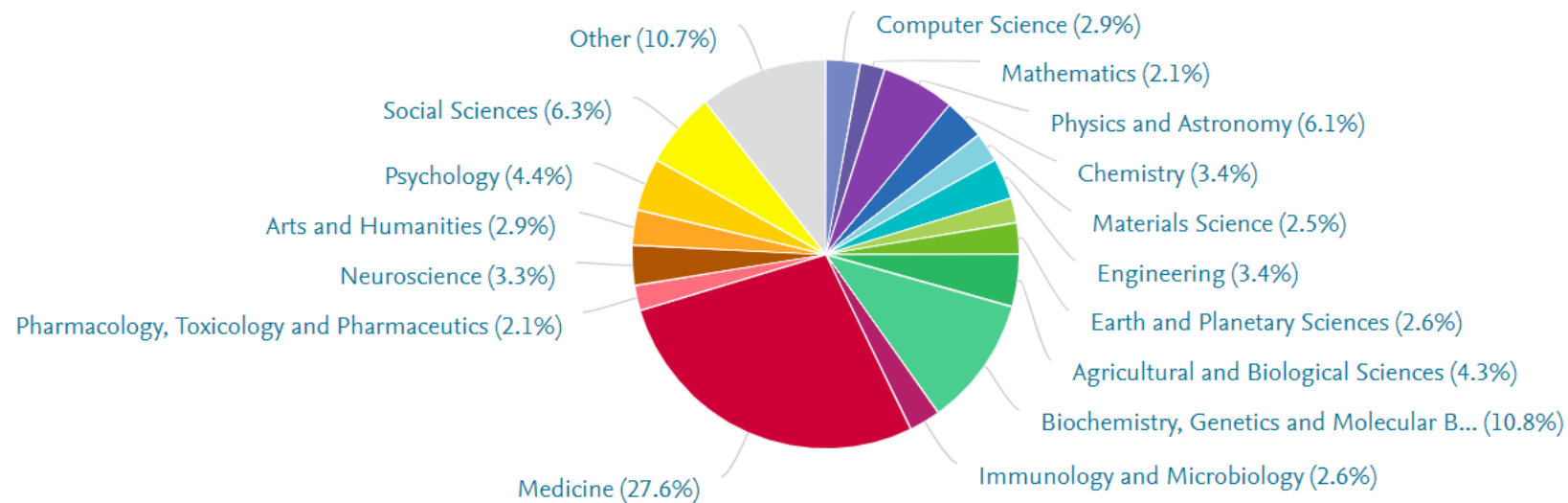
13.9

Field-Weighted Citation Impact

2.03

h5-index

154





Dutch Higher Education (2017/18)

- › 14 Universities
 - 290.000 students
 - 54.500 staff members

- › 37 universities of applied science
 - 453.000 enrollments
 - 48.000 staff members



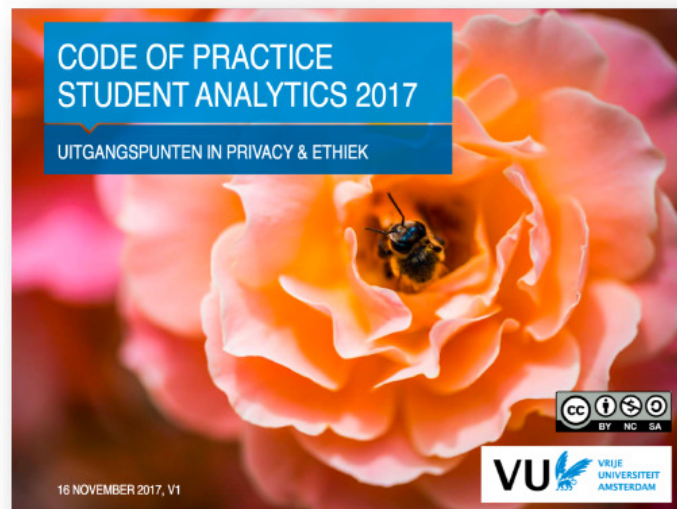
Dutch Association for Institutional Research

- › Association of Dutch HE professionals
- › IR: 'Business Intelligence for HE'
- › Supports informed policy making
- › ≠ Academic research (nor sloppy science)
- › Bridges IT – Policy domains
- › Covers all policy domains: Education, Research, HR, Finance



Slide from VU presentation at DAIR seminar

In February 2018 the VU published a **Code of Practice Privacy & Ethics** for Student Analytics



Cover photo: [Diana Măceșanu](#) on [Unsplash](#)

Code of Practice

What does the VU stand for in the development and application of Student Analytics

This Code of Practice intends to inform:

- I. **Students** about Student Analytics and its intentions, and in what way their personal data is processed and for what purposes it is analysed.
- II. **Employees and researchers** how Student Analytics is allowed to be analysed and used within the VU and what safeguards must be in place.





National database: 1cijferHO

- › '1-number HE': 1 national student database
- › Originates from VSNU initiative in 1990's (KUO, built by IR colleagues, facultative)
- › Prime goal: support internal external (national) Quality Assurance
- › Universities + 'Fach Hochschule'
- › Detailed information (age, gender, nationality, educational history, enrollments, diplomas)
- › Allows to track, benchmark and analyze educational careers of students.



Variabele nummer	Naam veld	Bron	Type veld
1	Inschrijvingsjaar	1cHO	tekst
2	Opleidingsvorm	1cHO	tekst
3	Maand vanaf	1cHO	tekst
4	Inschrijvingsvorm	1cHO	tekst
5	Actuele instelling	1cHO	tekst
6	Opleiding actueel equivalent	1cHO	tekst
7	Iscedf2013rubriek (NIEUW!)	CBS	tekst
8	Opleiding historisch equivalent	1cHO	tekst
9	Croho-onderdeel actuele opleiding	1cHO	tekst
10	Type hoger onderwijs binnen soort hoger onderwijs	1cHO	tekst
11	Opleidingsfase actueel	1cHO	tekst
46 Variables of Inschrijvingen_aggr_VSNU_2018.csv			
28	Hoogste vooropleiding voor het HO	1cHO	tekst
29	Hoogste vooropleiding	1cHO	tekst
30	Geslacht	afleiding	tekst
31	Leeftijd per peildatum 1 oktober	1cHO	numeriek
32	Nationaliteit 1	1cHO	tekst
33	Eerstejaars aan deze instelling (Gebaseerd op 1cHO variabele Gecorrigeerd eerste jaar aan deze instelling)	afleiding	tekst
34	Soort inschrijving act. <u>inst</u> - type ho binnen soort ho	afleiding	tekst
42	Indicatie eerstejaars continu hoger onderwijs	afleiding	tekst
43	Indicatie eerstejaars continu soort ho	afleiding	tekst
44	Indicatie eerstejaars continu actuele instelling	afleiding	tekst
45	Indicatie eerstejaars continu type ho binnen ho	afleiding	tekst
46	Aantal (<u>telveld</u>)	afleiding	numeriek



Part 2: UG student monitoring

1. UG databases
2. Business Intelligence portal
3. Pilot: monitoring on course level





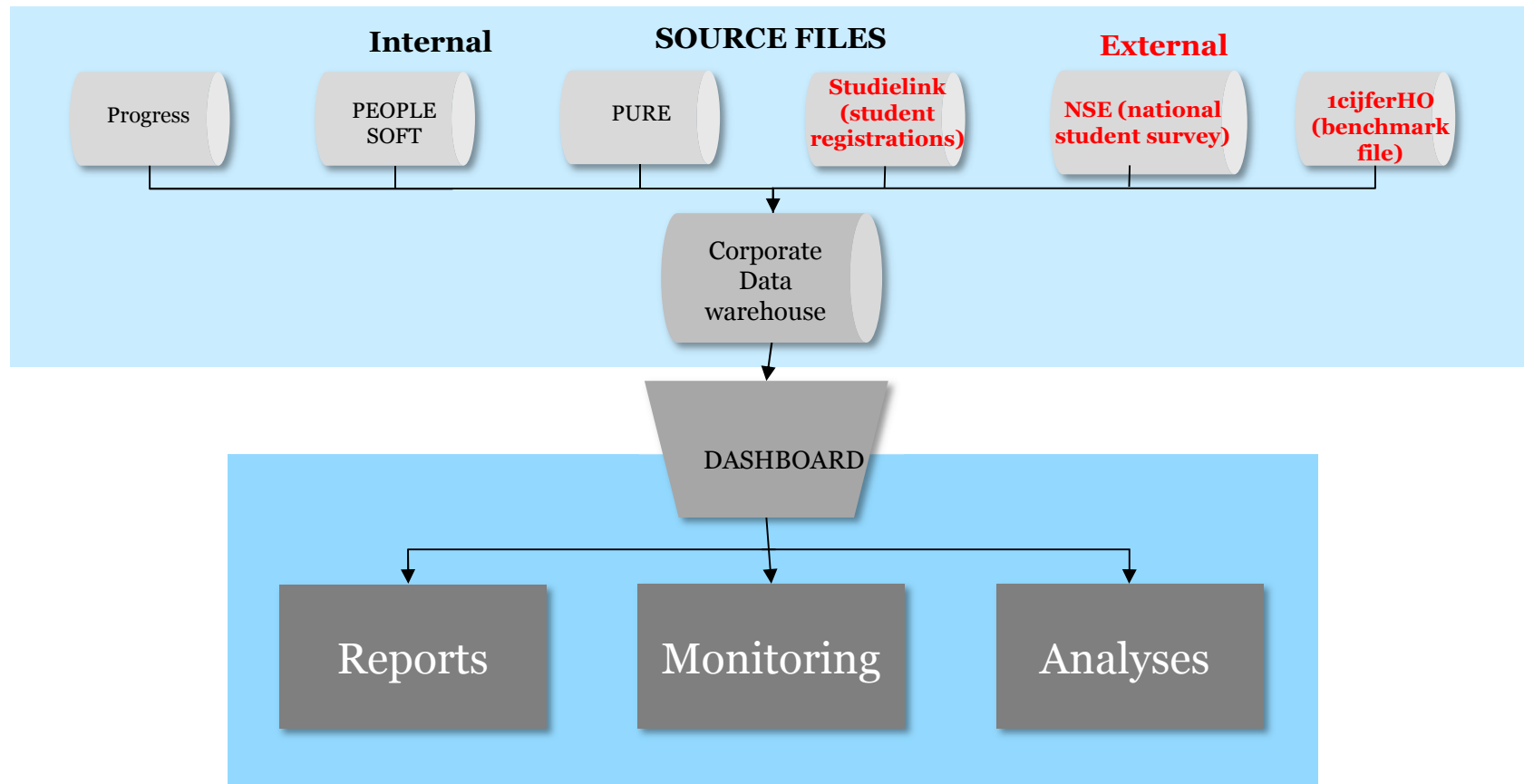
UG databases: internal data

- > Financial
- > Human Resources
- > ...
- > Education and student data
 - Where? Student administration, Educational administrative system, *Online learning environment*
 - levels: course, degree programme, faculty, university
 - What? Degree programme applications and registrations, course registrations, diplomas, *grades, course material*
 - Who? Students, teachers, central and faculty support staff, quality assurance, management



UG Business Intelligence Portal (BI Portal)

- › Data warehouse for collecting and visualizing data by combining internal AND external source
- › Access via authorization rights: reading and editing
- › Goals
 - Supporting management and staff
 - Offering reliable data / harmonizing use of data (same definitions!)
 - Providing options for tailored analyses by faculties





university of
 groningen

Business Intelligence Portaal RUG

Ja, Geef mij toegang

Welkom op de BI-portaal, het centrale dashboard overzicht van de Rijksuniversiteit Groningen.

Mocht u rechten willen aanvragen tot een dashboard, kunt u dit doen via het "[Aan- en afmeldformulier GAI](#)" of door contact op te nemen met de [BI-desk](#)

Financiële verantwoording



[Analyse Financiële Rapportages](#)
Aanbesteding Creditoren
Creditoren
Debiteuren
Maandrapportage Corporate
Maandrapportage Faculteit en Dienst
Vaste Activa

Onderwijs (Centraal)



[Aanmeldingen](#)
[Analyse Onderwijs](#)
[Onderwijs Informatie](#)
[Kwaliteitszorg Onderwijs](#)

Onderwijs (Facultair)



[Campus Fryslan](#)
[Economie en Bedrijfskunde](#)
[Gedrags- en Maatschappijwetenschappen](#)
[Godsgeleerdheid en Godsdienstwetenschappen](#)
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Bekostiging



[Accountant onderzoek](#)
[Bekostiging](#)
[Signaallijsten](#)

Personeel



[Personeel in Cijfers](#)
[Urenverantwoording Medewerker](#)

Management



[Management Informatie](#)
[Urenverantwoording Afdelingsmanager](#)

Projectleiding



[Financieel Project overzicht](#)
[Project overzicht Facilitair Bedrijf](#)
[Urenverantwoording Projectleider](#)
[Urenverantwoording Projectcontroller](#)

Facilitair



[Vastgoed overzicht](#)
[Vastgoed \(Financieel\)](#)
[Vastgoed Extra](#)

[Edit](#)



BI Portal: Education

- › Created in May 2015
- › Extended with ICT projects
- › User group of central and faculty staff members
- › Information on different levels
- › Includes data about
 - Applications and enrollments
 - Strategic goals
 - Educational charts
 - Effects of interventions and policy changes



Applications and enrollments

Aandachtsgebied

Aantallen
Profiel - Leeftijd
Profiel - Nationaliteit(NL, EU en non-EU)
Profiel - Regio
Profiel - Sexe
Profiel - Vooropleiding
Profiel - Eerstejaars Masteropleiding

* Faculteit - Naam

* Maand - Inschrijving van
9;10

Nieuwe instroom per opleiding profielschets - vooropleiding

Definitie:

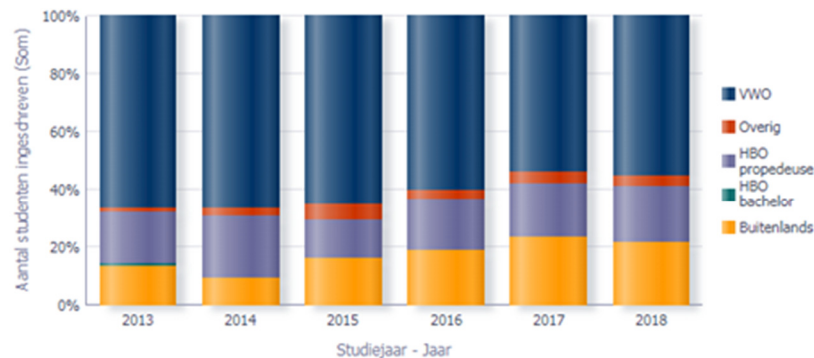
- Nieuwe propedeuse studenten van de faculteit Faculteit Rechtsgeleerdheid
- Het aantal nieuwe unieke studenten onderverdeeld naar vooropleiding.
- De vooropleiding is ingedeeld in categorieën.
- De volgende maanden zijn geselecteerd: **9,10**.
- Cursisten en exchange studenten (niet reguliere studenten) zijn niet opgenomen.
- De faculteit en opleiding kan opgenomen worden in het rapport.

Rapportdatum: 04-03-2019

Faculteit Opleiding

	2013		2014		2015		2016		2017		2018	
Categorie vooropleiding	N	%	N	%	N	%	N	%	N	%	N	%
VWO	366	66.3%	482	66.3%	452	64.8%	393	60.1%	399	53.6%	429	54.9%
Overig	9	1.6%	21	2.9%	39	5.6%	20	3.1%	30	4.0%	29	3.7%
HBO propedeuse	97	17.6%	155	21.3%	91	13.1%	116	17.7%	141	19.0%	153	19.6%
HBO bachelor	5	0.9%	1	0.1%			1	0.2%				
Buitenlands	75	13.6%	68	9.4%	115	16.5%	124	19.0%	174	23.4%	171	21.9%
Totaal	552	100.0%	727	100.0%	697	100.0%	654	100.0%	744	100.0%	782	100.0%

Aantal studenten ingeschreven (Som)



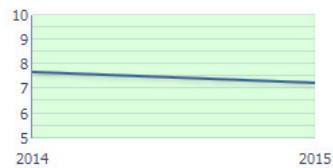
[Refresh](#) - [Export](#)



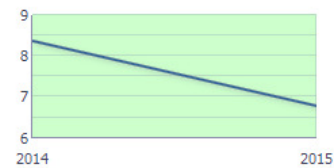
Management Information

Onderwijs

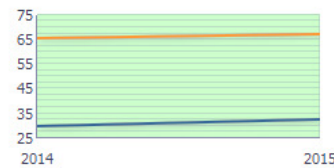
Uitval 1e jaar (VSNU)



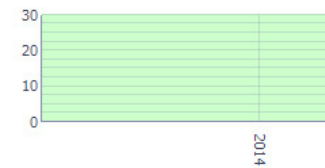
Studieuitval na 1e studiejaar (VSNU)



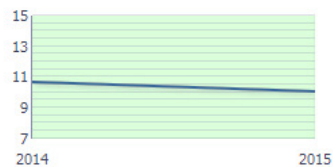
Bachelor Rendement



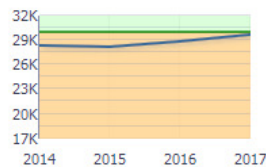
Masterrendement



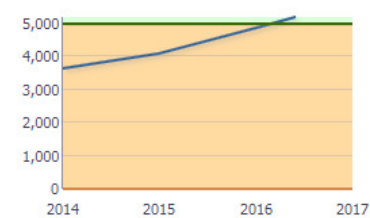
Uitval 1e jaar instelling (VSNU)



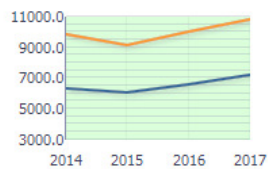
Aantal ingeschreven studenten



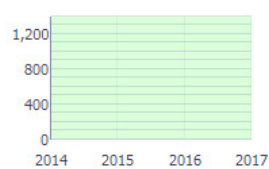
Aantal buitenlandse studenten



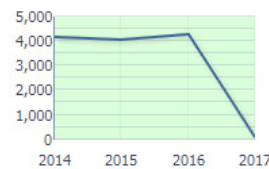
Aantal eerstejaars studenten



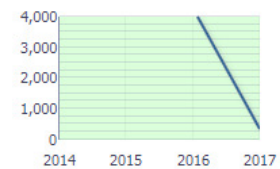
Aantal buitenlandse eerstejaars



Bachelor diplomas



Masterdiplomas

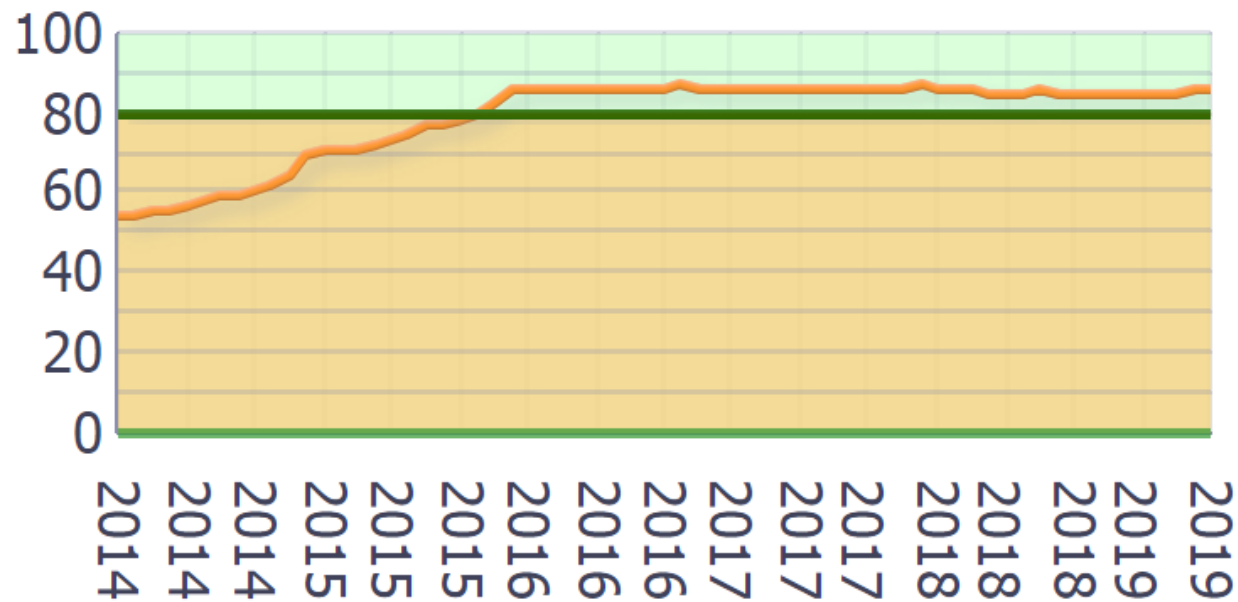




Strategic Goals: example

University Teaching Qualification

BKO Certificering Docenten





National Student Survey results

Questions (NSE)	Score (2018)		Score (2017)		First year (2018)		International (2018)		Croho Nationwide (2018)		M Faculty (2018)		M RUG (2018)		M HOOP (2018)	
Questions (NSE) - Description	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg	n	avg
Your study programme in general	32	3.94	22	3.95	0		0		254	4.17	671	4.09	3272	4.06	4563	4.05
The content of the programme	28	3.86	22	4.05	0		0		246	3.96	664	4.03	3200	4.00	4472	3.98
The general skills you acquire in your programme	28	4.14	22	3.95	0		0		246	3.95	664	3.96	3197	3.91	4469	3.94
The academic skills you acquire in your programme	28	3.79	22	4.14	0		0		245	4.11	663	4.10	3197	3.94	4467	4.06
How well you are prepared for a professional career	28	3.07	22	3.27	0		0		244	3.50	661	3.50	3184	3.47	4428	3.53
The teachers involved in your study programme	28	4.07	22	3.95	0		0		246	4.04	661	4.05	3190	4.01	4460	3.91
The information provided by your study programme	28	3.50	22	3.45	0		0		244	3.63	660	3.57	3191	3.65	4452	3.61
The learning facilities offered by your study programme	28	3.57	22	3.86	0		0		246	3.85	660	3.96	3164	3.96	4445	3.85
Examinations and assessment (e.g. assessment criteria and forms of examinations)	28	3.79	22	4.00	0		0		245	3.78	662	3.80	3193	3.66	4456	3.71
Programme schedules	28	4.00	21	3.81	0		0		243	3.85	661	3.93	3163	3.95	4421	3.86
Your study load	28	3.86	22	3.68	0		0		246	4.01	663	3.75	3193	3.65	4460	3.71
Academic guidance/counselling	28	3.43	22	3.68	0		0		237	3.76	636	3.70	3099	3.61	4319	3.61
The general atmosphere within your study programme	28	4.50	22	4.23	0		0		245	4.37	663	4.34	3191	4.18	4459	4.24
The opportunities made available to you to help improve your programme	28	3.36	22	3.64	0		0		240	3.77	648	3.83	3126	3.66	4377	3.80
Group/class size	28	3.93	22	4.14	0		0		242	4.20	659	4.29	3173	4.20	4435	4.16
The way your study programme challenges you in a positive way	28	3.79	22	4.00	0		0		246	3.95	662	4.09	3187	4.04	4466	4.03
The attention for internationalisation (in the curriculum, studying abroad, etc)	28	3.36	22	3.86	0		0		236	3.88	627	3.80	2968	3.66	4268	3.84
Would you recommend your study programme to friends, family or colleagues?	26	4.15	18	4.06	0		0		226	4.19	587	4.22	2826	4.15	3984	4.13

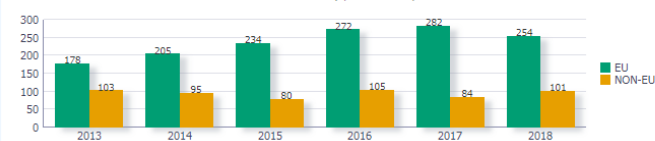


Educational Charts (including diplomas and retention rates)

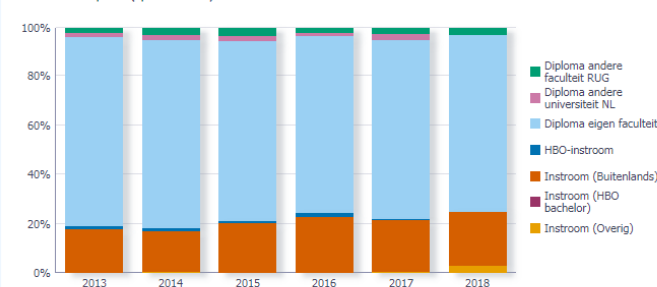
Instream (1-oktober telling)

	2013	2014	2015	2016	2017	2018	trend
1. # Ingeschreven studenten	6499	6501	6327	6344	6623	7160	
2. # Instream in master	1155	1309	1227	1200	1246	1202	
3. Geslacht (% Vrouw op basis van 2.)	39%	37%	38%	36%	40%	40%	
4. % Buitenlandse studenten (niet NL, op basis van 2.)	19%	19%	23%	32%	29%	26%	

5. Nationaliteit buitenlandse studenten: # Non-EU en # EU (op basis van 4.)



6. Instreamprofiel (op basis van 2.)



	2013	2014	2015	2016	2017	2018
Diploma andere faculteit RUG	24	45	48	30	38	44
Diploma andere universiteit NL	25	31	28	18	34	
Diploma eigen faculteit	886	1000	900	868	901	865
HBO-instream	16	15	10	17	9	
Instream (Buitenlands)	204	217	247	275	262	261
Instream (HBO bachelor)		1				
Instream (Overig)	2	5	1	1	5	35

7. Studentenoordeel Onderwijs (afgenomen in: voorjaar 2017)

	N	RUG 2018	RUG	Landelijk 2018	Landelijk
Algemene vaardigheden	566	4.07		3.89	
Docenten	551	3.98		3.90	
Inhoud	577	4.00		3.97	
Internationalisering	440	3.44		3.38	
Kwaliteitszorg	470	3.60		3.50	
Studielast	540	3.63		3.69	
Toetsing beoordeling	547	3.91		3.80	
Uitdagend onderwijs	527	3.82		3.85	
Wetenschappelijke vaardigheden WO	557	4.05		4.02	

	N	RUG 2018	RUG	Landelijk 2018	Landelijk
Stage ervaring	63	3.95		3.90	
Voorbereiding beroepsloopbaan	524	3.18		3.54	

	N	RUG 2018	RUG	Landelijk 2018	Landelijk
Informatievoorziening	561	3.84			
Studiebegeleiding	478	3.61			
Studiefaciliteiten	559	3.96			

	N	RUG 2018
Engels taalaanbod	86	4.55

Doorstroom master

11. Masterrendementen (op basis van 2.)

Studiejaar - Jaar	M-in1 (n)	M-in1 (%)	M-in2 (n)	M-in2 (%)	M-in3 (n)	M-in3 (%)	M-totaal (n)	M-totaal (%)	Uitval (n)	Uitval (%)	Actief (n)	Actief (%)
2017	492	39%	617	49%	617	49%	617	49%	126	10%	506	41%
2016	506	42%	998	83%	1021	84%	1021	84%	128	11%	60	5%
2015	455	37%	1013	82%	1111	90%	1117	91%	133	11%	-17	-1%
2014	478	36%	1096	84%	1200	92%	1217	93%	131	10%	-37	-3%
2013	454	39%	978	85%	1059	92%	1082	94%	94	8%	-19	-2%
2012	443	39%	931	83%	1005	89%	1041	92%	105	9%	-18	-2%

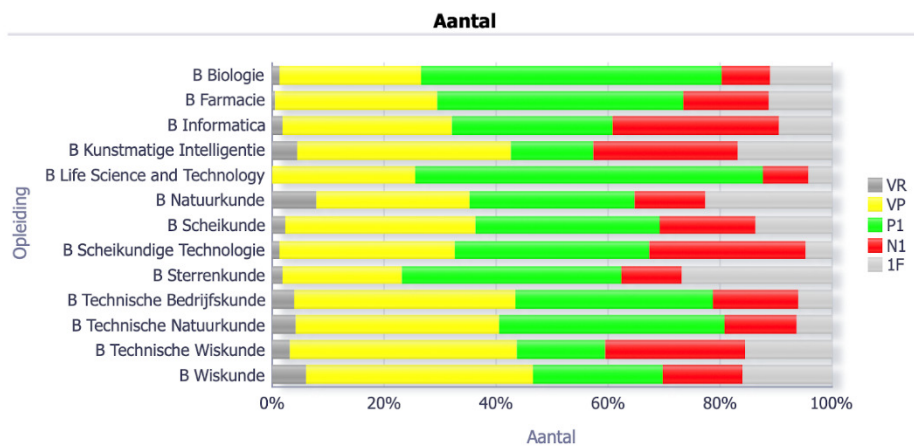
Uitstroom

	2012	2013	2014	2015	2016	2017	trend
12. # Diplomas	2853	2902	3018	2911	2900	2044	
13. % Cum laudes & summa cum laudes (op basis van 12.)	4%	3%	4%	6%	6%	7%	
14. # Cum laudes & summa cum laudes (op basis van 12.)	116	98	125	163	169	151	



Layout options

Selecteer presentatievorm BSA grafisch na 1 jaar

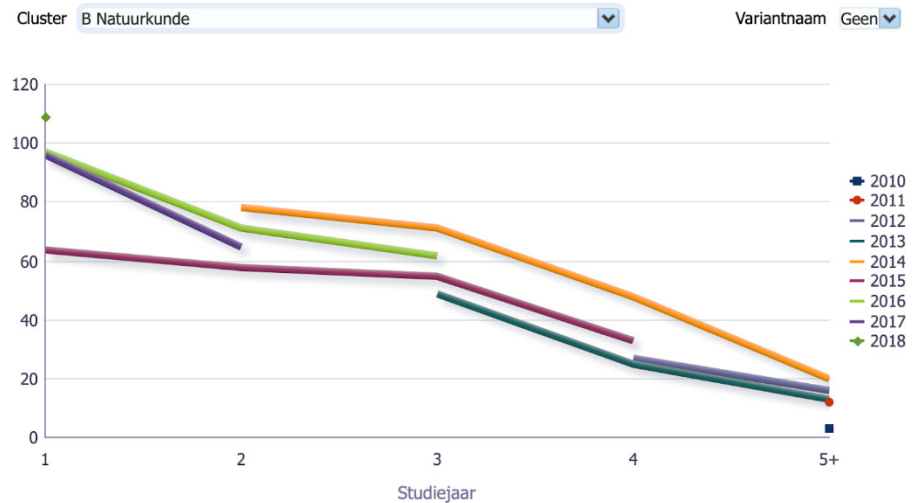


Selecteer presentatievorm Tabel met overzicht per cohort

Cohort 2017

Opleiding	Aantal										Percentage										Aantal	Percentage
	Status (1e jaar)					Percentage					Status (2e jaar)					Percentage						
	1F	VP	N1	P1	P2	VP	VR	VP	VR	1F	VP	N1	P1	P2	VP	VR	VP	VR				
B Biologie	16	2	14	87	19	22		2	9.9%	1.2%	8.6%	53.7%		11.7%	13.6%		1.2%		162	100.0%		
B Farmacie	19	26	74	14	35		1	11.2%		15.4%	43.8%		8.3%	20.7%		0.6%			169	100.0%		
B Informatica	10	1	34	33	2	33		2	8.7%	0.9%	29.6%	28.7%		1.7%	28.7%		1.7%		115	100.0%		
B Kunstmatige Intelligentie	25	1	40	23	3	56	1	5	16.1%	0.6%	25.8%	14.8%		1.9%	36.1%	0.6%	0.6%	3.2%	155	100.0%		
B Life Science and Technology	5	1	12	90	10	27			3.4%	0.7%	8.3%	62.1%		6.9%	18.6%				145	100.0%		
B Natuurkunde	15	5	11	26	6	18	1	6	17.0%	5.7%	12.5%	29.5%		6.8%	20.5%	1.1%	6.8%		88	100.0%		
B Scheikunde	12	15	29		7	23		2	13.6%		17.0%	33.0%		8.0%	26.1%		2.3%		88	100.0%		
B Scheikundige Technologie	3	1	23	29		26		1	3.6%	1.2%	27.7%	34.9%			31.3%		1.2%		83	100.0%		
B Sterrenkunde	14	1	6	22	4	8		1	25.0%	1.8%	10.7%	39.3%		7.1%	14.3%		1.8%		56	100.0%		
B Technische Bedrijfskunde	8	20	46		7	45		5	6.1%		15.3%	35.1%		5.3%	34.4%		3.8%		131	100.0%		
B Technische Natuurkunde	3	6	18	1	8	9		2	6.4%		12.8%	38.3%	2.1%	17.0%	19.1%		4.3%		47	100.0%		
B Technische Wiskunde	5	8	4	1	7	6	1	5	15.6%		25.0%	12.5%	3.1%	21.9%	18.8%	3.1%			32	100.0%		
B Wiskunde	15	1	14	23	4	36	1	5	15.2%	1.0%	14.1%	23.2%		4.0%	36.4%	1.0%	5.1%		99	100.0%		

Selecteer presentatievorm Grafiek: Sterftেকromme van een cohort als functie van het studiejaar





Student monitoring:course level

› Stakeholders

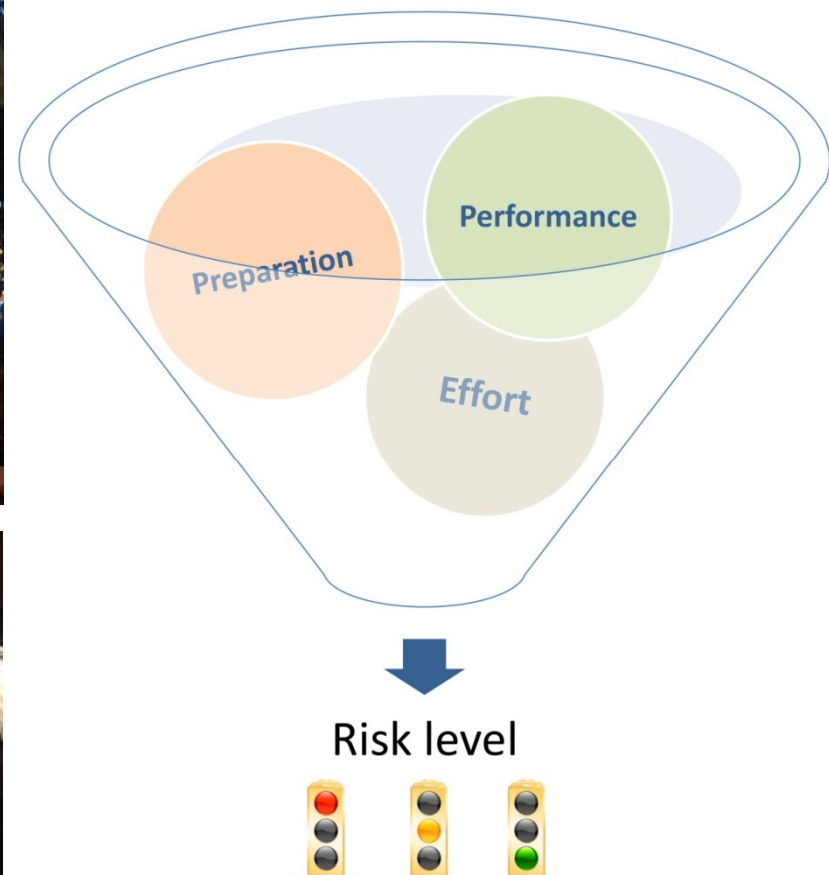
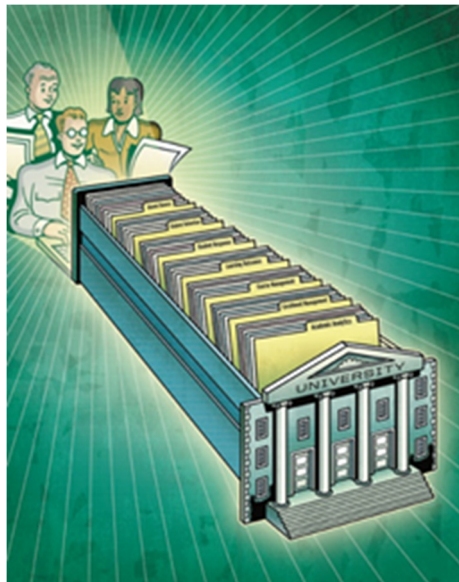
- Students
- Teachers
- Study advisors
- Educational Advisor (instructional designer on course level)
- Director of Education / Degree programme coordinator
- Boards (faculty and university)
- Policy advisors / Quality assurance

› Pilots

- Early Warning Signals (EWS)
- (Perussal see Addendum)

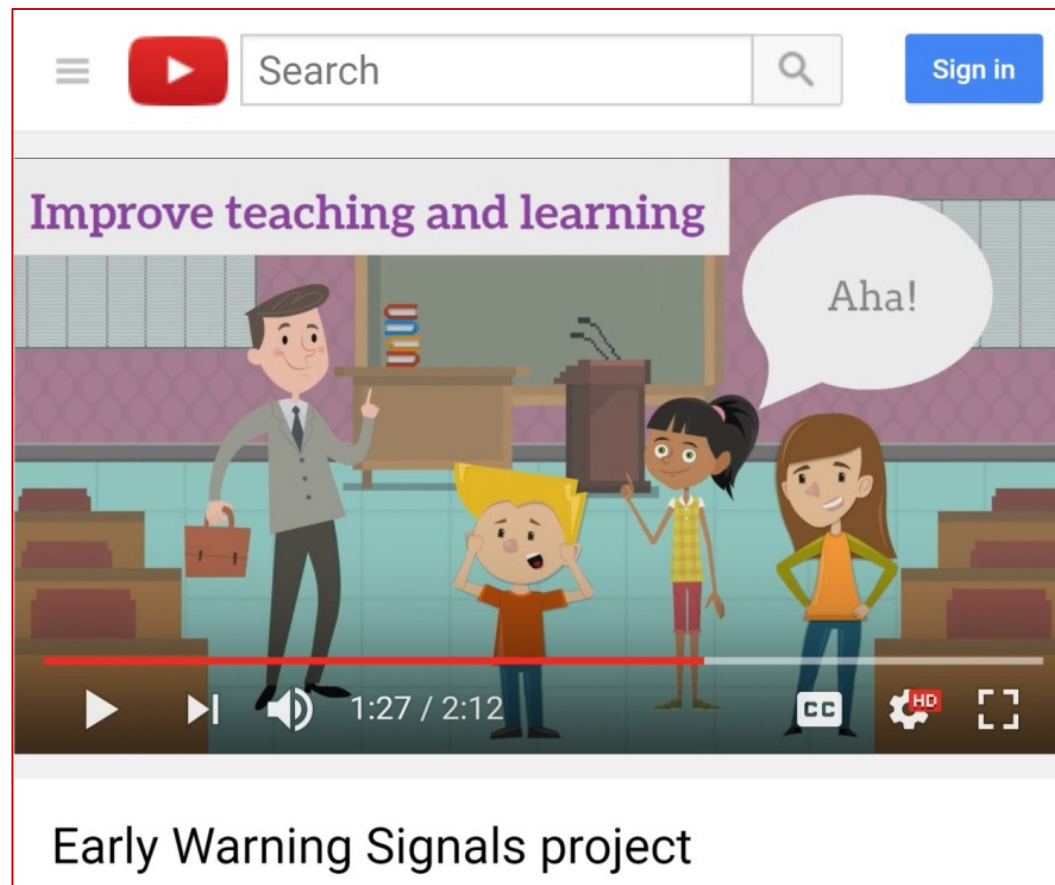


Pilot Early Warning Signals (EWS)





Video about EWS





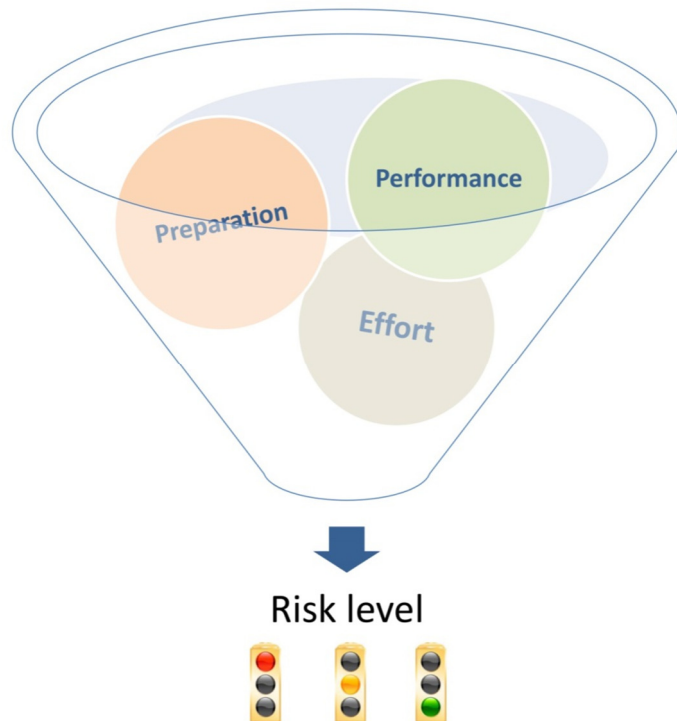
EWS: Enable to become active

- › Focused on 3 out of 7 stakeholders
 - **student**: find out about performance and behaviour compared with peers
 - **instructor**: real-time insights into online behaviour
 - **study advisor**: identify at-risk students earlier

- › Infrastructure
 - Online learning environment
 - Blackboard Analytics for Learn (A4L)



Early Warning Signals (EWS)



+ signals
+ interventions
Early Warning Signals

1. Academic preparation
 - prior education, student characteristics
2. Student performance
 - student workload, attempts, grading
3. Student effort
 - activity in learning environment



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Location: student portal intranet

The screenshot displays the 'Student Portal' intranet of the University of Groningen. The interface is organized into several main sections:

- Need to know:** A red banner at the top left features a message about the 'Nobel Prize Chemistry for Ren Enricosa' on 5 OCT.
- Go to My University:** A blue button labeled 'My University' is located below the banner.
- RUG tools:** A list of utility links including 'Course catalogue (Ocnave)', 'Grades and enrollment (Progress)', 'Student mail', 'RUG desktop', 'Wireless printing', 'Enrollment and photo', 'Schedule generator', 'Change password', and 'Portal U-order'.
- Faculty tools:** A section indicating that no tools are currently available for the faculty.
- Address book:** A search bar for finding employees.
- Library search:** A search bar for finding catalogues, with SmartCat and Google logos.
- Nice to know:** A central news section with three items: a conference announcement for 3 NOV, a recruitment notice for 'I Shop' on 31 OCT, and a symposium announcement for 27 OCT.
- Student Portal intro:** A large central tile showing a thumbnail of the portal interface and a message about daily information updates.
- Timetable:** A section for viewing the calendar, showing a schedule for Friday, October 4th, with events like 'Calculus 1 - examination' and 'Political Economy Pre-Meeting - Lecture'.
- Courses:** A list of available courses on the right side, including 'Calculus 1', 'International Corporate Insolvency Law', 'Marketing Analytics', 'Mobiliteit en Infrastructuurplanning', 'Political Economy', 'Radiation physics', 'Seminar Corporate Governance', 'Teamwork - Theories, Design and Dynamics', 'Theologie: Concepten en Methoden 16-17', and 'Writing: Context, Process and Text'. It also lists 'Other courses' like 'Apollo SVG HML B6 testomgeving' and 'Demonstratie Blackboard'.



Online course environment

The screenshot displays the University of Groningen Student Portal. The main content area is titled "Personal Course Report" and includes sections for "Information for students" and "The Early Warning Signal project". A red circle with the number 1 is placed over the "Personal Course Report" title. A red circle with the number 2 is placed over the "Personal Course Report" section. The left sidebar contains a "COURSE MANAGEMENT" section with a red circle with the number 2 over the "Control Panel" link. The right sidebar contains a "COURSE MANAGEMENT" section with a red circle with the number 1 over the "Control Panel" link and a red circle with the number 2 over the "Evaluation" section. The "Evaluation" section lists "Course Analytics", "Course Reports", "Performance Dashboard", and "Retention Center".

Student Portal

Today Study Info Career

Personal Course Report

Personal Course Report

Information for students

The Early Warning Signal project - Information for students

The Early Warning Signal (EWS) project makes students' behaviour in the digital learning environment visible and insightful. Statistics about your behaviour and test results are summarized in reports that are available to you, your course lecturer and your study advisor. Green, grey or red arrow indicates how your activity and test results differ from the average of your peers. Your personal course report is only available to you and not to other students. With the information in your course report, you might decide to change your study habits or seek support.

The grade mentioned in the report is the total of your homework assignments and the midterm test. It is therefore not your final course grade.

Het Early Warning Signal project - Informatie voor student

Het Early Warning Signal (EWS) project maakt het gedrag van studenten in de elektronische leeromgeving inzichtelijk. Statistieken over het gedrag en cijfers zijn samengevat in rapporten die voor jou, de docent en de studieadviseur beschikbaar zijn. Groen, grijs of rode pijl laat zien hoe jouw activiteit en cijfers verschillen van die van je medestudenten. Jouw persoonlijke cursus rapport is alleen toegankelijk voor jou en niet voor andere studenten. Met de informatie in jouw persoonlijke cursus rapport kun je besluiten nemen om je studiehabitudes te veranderen of ondersteuning te zoeken.

Het cijfer dat in het rapport genoemd wordt is het totaal van de homework assignments en de midterm test. Het is dus niet je eindcijfer.

Personal Course Report

EWS pilot video

Early Warning Signal's pilot: behaviour or seek support?

COURSE MANAGEMENT

Control Panel

Content Collection

Course Tools

Evaluation

Course Analytics

Course Reports

Performance Dashboard

Retention Center

Grade Center

Users and Groups

Customization

Packages and Utilities

Help

Control Panel

Content Collection

Course Tools

Evaluation

Course Analytics

Course Reports

Performance Dashboard

Retention Center

https://nestor.rug.nl/webapps/blackboard/content/content.jsp?course_id=20870_3&content_id=804141_1&mode=reset



For instructors: Grade Center

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Student Portal Today Study Info Career Hans Beldhuis Logout

Grade Center

Grade Center : Full Grade Center

When screen reader mode is on, the Grade Center data appears in a simplified grid. You cannot freeze columns or edit inline, making it easier to navigate using the keyboard. To enter a grade, access a cell's contextual menu and click **View Grade Details**. When screen reader mode is off, you can type a grade directly in a cell on the Grade Center page. To enter a grade: click the cell, type the grade value, and press the Enter key to submit. Use the arrow keys or the tab key to navigate through the Grade Center. [More Help](#)

Create Column Create Calculated Column Manage Reports Filter Work Offline

Sort Columns By: Layout Position Order: Descending Last Saved November 4, 2018 2:14 PM

Last Name	First Name	Username	Weighted Total	Basic Skills Test	Homework 1	Homework 2	Homework 3	Homework 4	Homework 5	Homework 6	Minimum Hw	Homework avg	Midterm Test	Exam	(HW-MT-2-3)	max	grade	Final grade	Result
...	10.00	8.00	10.00	10.00	10.00	...	0	9.6	8.20	...	8.9	8.9	8.9	...	...
...	10.00	9.00	6.00	8.00	9.00	...	0	8.4	6.80	...	7.6	7.6	7.6	...	...
...	9.00	...	...	...	...	...	0	1.6	9.20	...	5.4	5.4	5.4	...	...
...	9.00	7.00	9.00	6.00	6.00	7.00	6	7.6	10.00	...	8.8	8.8	8.8	...	...
...	10.00	9.00	8.00	7.00	10.00	...	0	8.8	6.80	...	7.8	7.8	7.8	...	...
...	10.00	7.00	10.00	10.00	10.00	10.00	7	9.8	7.80	...	8.8	8.8	8.8	...	...
...	0	0	8.10	...	4.05	4.05	4.05	...	...
...	8.00	9.00	8.00	9.00	10.00	...	0	8.8	9.00	...	8.9	8.9	8.9	...	...
...	10.00	7.00	9.00	6.00	8.00	...	0	8	5.80	...	6.9	6.9	6.9	...	...
...	10.00	8.00	8.00	7.00	...	9.00	0	8.4	9.70	...	9.05	9.05	9.05	...	...
...	10.00	10.00	9.00	10.00	10.00	...	0	9.8	9.20	...	9.5	9.5	9.5	...	...
...	10.00	9.00	8.00	6.00	5.00	9.00	5	8.4	7.00	...	7.7	7.7	7.7	...	...
...	8.00	6.00	3.00	5.00	4.00	6.00	3	5.8	3.10	...	4.45	4.45	4.45	...	...
...	9.00	10.00	9.00	9.00	9.00	...	0	9.2	7.20	...	8.2	8.2	8.2	...	...
...	9.00	8.00	6.00	4.00	10.00	...	0	7.4	7.00	...	7.2	7.2	7.2	...	...
...	8.00	6.00	7.00	7.00	8.00	...	0	7.2	6.40	...	6.8	6.8	6.8	...	...
...	9.00	4.00	...	...	...	...	0	2.6	...	...	2.6	2.6	2.6	...	...
...	10.00	...	8.00	...	8.00	...	0	5.2	7.10	...	6.15	6.15	6.15	...	...
...	8.00	7.00	9.00	7.00	10.00	10.00	7	8.8	8.50	...	8.65	8.65	8.65	...	...
...	6.00	9.00	8.00	7.00	10.00	9.00	6	8.6	5.00	...	6.8	6.8	6.8	...	...
...	7.50	9.00	10.00	8.00	6.00	...	0	8.1	8.10	...	8.1	8.1	8.1	...	...
...	10.00	9.00	10.00	10.00	9.00	...	0	9.6	8.90	...	9.25	9.25	9.25	...	...
...	9.75	...	...	...	...	...	0	1.95	...	...	1.95	1.95	1.95	...	...
...	8.00	6.00	7.00	7.00	9.00	...	0	7.4	9.60	...	8.5	8.5	8.5	...	...
...	10.00	...	7.00	...	...	...	0	3.4	5.80	...	4.6	4.6	4.6	...	...
...	0	0	...	...	0	0	0	...	...
...	10.00	10.00	8.00	7.00	10.00	9.00	7	9.4	8.20	...	8.8	8.8	8.8	...	...
...	8.00	7.00	7.00	6.00	10.00	...	0	7.6	8.20	...	7.9	7.9	7.9	...	...
...	7.00	9.00	10.00	9.00	9.00	...	0	8.8	8.90	...	8.85	8.85	8.85	...	...
...	8.00	4.00	9.00	8.00	10.00	...	0	7.8	9.80	...	8.8	8.8	8.8	...	...
...	0	0	...	...	0	0	0	...	...
...	9.00	4.00	0.00	6.00	8.00	9.00	0	7.2	5.10	...	6.15	6.15	6.15	...	...

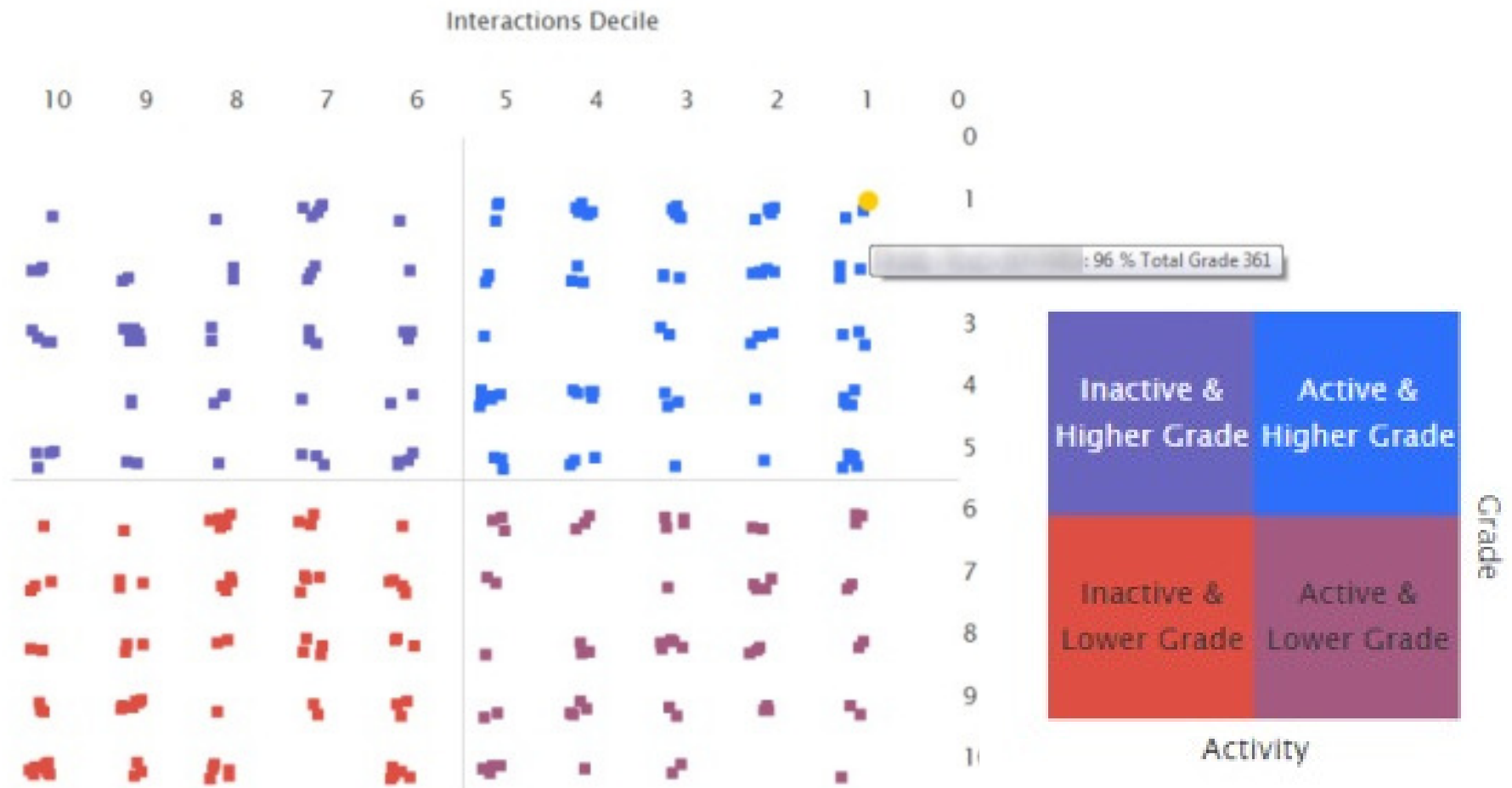
Selected Rows: 0

Move To Top Email

Icon Legend

Edit Rows Displayed

Activity & Grade Matrix



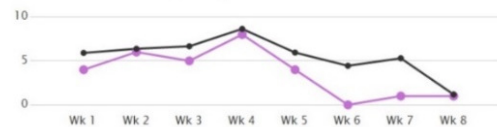


Personal report for students

Your Total Activity Compared to the Course Average



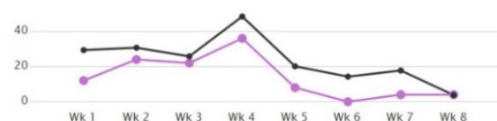
Accesses vs Course Average



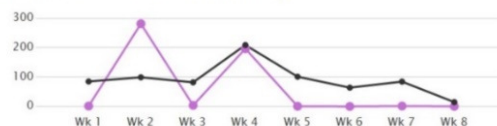
Submissions vs Course Average



Interactions vs Course Average



Time in Course vs Course Average





Preliminary results (survey)

- > students
 - support A4L (96%)
 - become active in course
 - some become alert on correct study choice
 - higher pass marks (but not conclusive)
- > instructors
 - earlier & correct detection invisible students
 - effective remedial teaching
 - maybe better grade distribution
- > study advisor
 - earlier contact
 - study advice (effective studying)



Discussion