Trends within Numbers: Importance of Interactive Dashboards in AAE aspects of Graduate School

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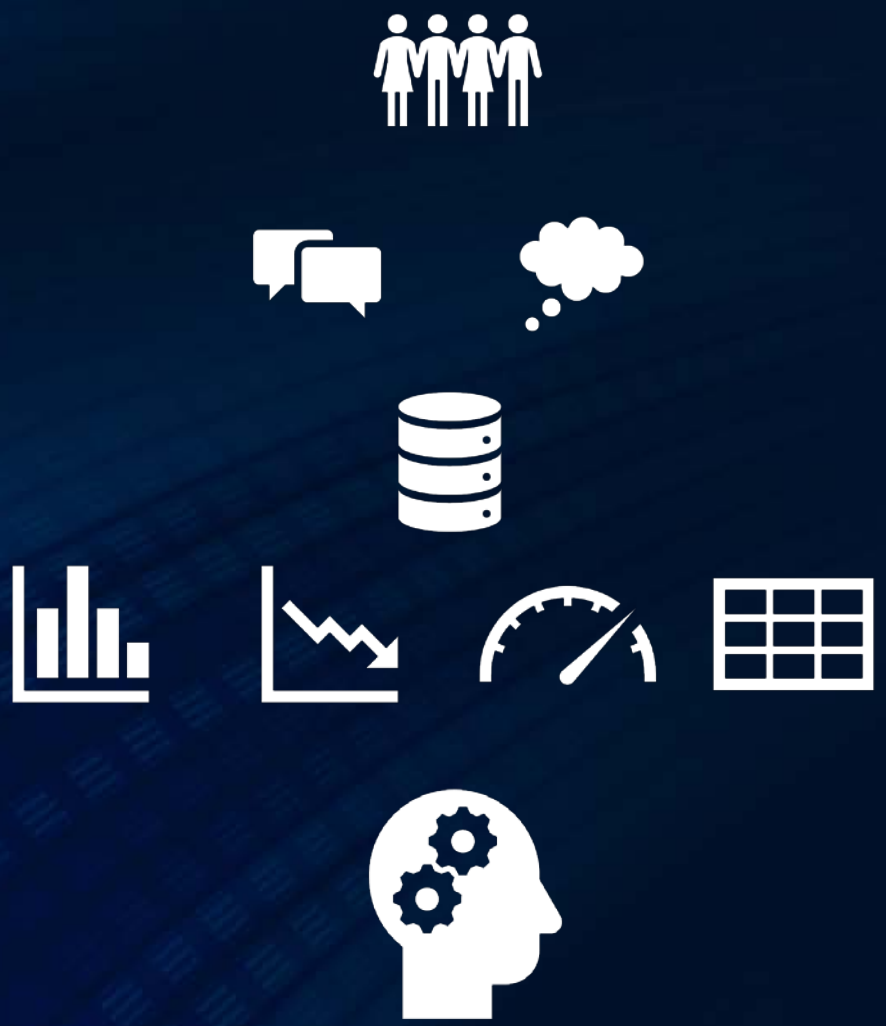
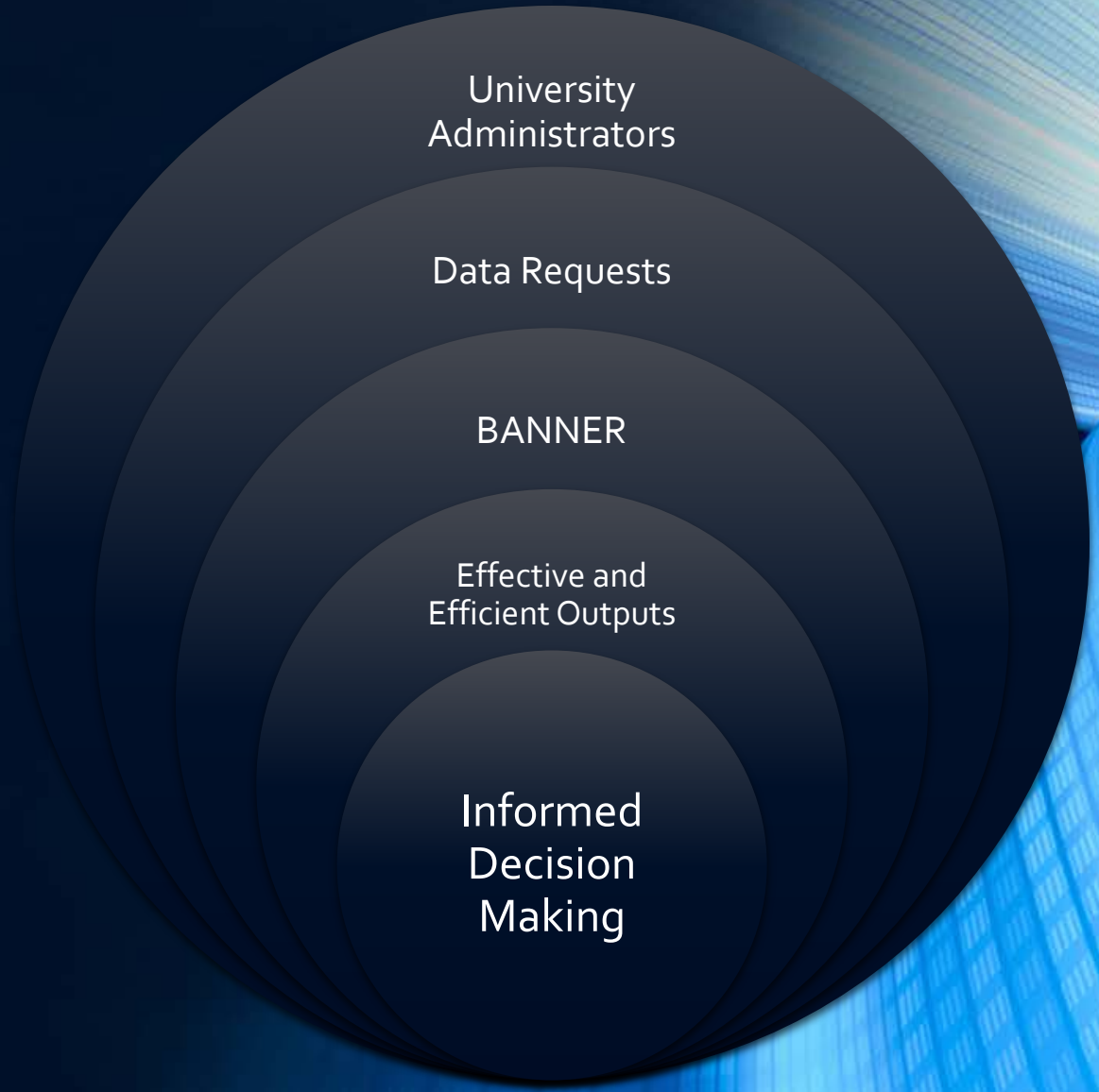
Institutional Effectiveness & Research





Our Tools

Information Builders

WebFOCUS

- Analytical Reports
- Charts
- Graphs
- User-defined Function
- HTML
- OLAP Hierarchies

Graduate School

College

Term

Degree

Applied

Admitted

Enrolled

Todays Date

Major

Domestic

International

Their Requirements

1	2	3	4
Report the Applied, Admitted and Enrolled data for Students	Divisions by: College Degree Major	Drill downs: Term Todays Date	Comparisons: Domestic Vs International

The Past: What they had?

Applied, Admitted, and Enrolled
Comparison Spring 2018 & Spring 2017

Month Day	Applications Received for Spring 2017	Applications Received for Spring 2018	Percentage Change	Applicants Admitted/Eligible to Enroll for Spring 2017	Applicants Admitted/Eligible to Enroll for Spring 2018	Percentage Change	Applicants Enrolled for Spring 2017	Applicants Enrolled for Spring 2018	Percentage Change
03-12	2,563	1,882	-27%	1,567	1,088	-31%	982	666	-32%
03-11	2,563	1,881	-27%	1,567	1,089	-31%	982	666	-32%
03-10	2,563	1,881	-27%	1,567	1,089	-31%	982	666	-32%
03-09	2,563	1,881	-27%	1,567	1,089	-31%	981	666	-32%
03-08	2,563	1,879	-27%	1,566	1,091	-30%	981	665	-32%
03-07	2,560	1,877	-27%	1,568	1,090	-30%	980	664	-32%
03-06	2,559	1,874	-27%	1,566	1,092	-30%	978	664	-32%
03-05	2,559	1,872	-27%	1,571	1,088	-31%	979	662	-32%
03-04	2,559	1,872	-27%	1,571	1,087	-31%	979	661	-32%
03-03	2,559	1,872	-27%	1,571	1,087	-31%	979	661	-32%
03-02	2,559	1,872	-27%	1,570	1,087	-31%	978	661	-32%
03-01	2,559	1,871	-27%	1,567	1,089	-31%	973	665	-32%

Applied, Admitted, and Enrolled by Major
Comparison Spring 2018 & Spring 2017

Month Day	College	Major	Applications Received for Spring 2017	Applications Received for Spring 2018	Percentage Change	Applicants Admitted/Eligible to Enroll for Spring 2017	Applicants Admitted/Eligible to Enroll for Spring 2018	Percentage Change	Applicants Enrolled for Spring 2017	Applicants Enrolled for Spring 2018	Percentage Change
03-12	CB	ACCT	216	152	-30%	158	109	-31%	112	83	-26%
		BA	324	323	0%	220	214	-3%	136	124	-9%
		BUSA	147	135	-8%	103	77	-25%	57	45	-21%
		FIN	59	64	8%	33	39	18%	24	24	0%
		MGT	72	75	4%	40	50	25%	26	24	-8%
		MKT	31	39	26%	20	24	20%	15	15	0%
*TOTAL CB			849	788	-7%	574	513	-11%	370	315	-15%
	CH	ACRM	39	53	36%	22	25	14%	17	22	29%
		APPL	32	24	-25%	19	13	-32%	17	9	-47%
		ART	17	3	-82%	10	1	-90%	9	0	-100%
		ENG	19	6	-68%	13	3	-77%	7	3	-57%
		ENG PhD	12	12	0%	4	3	-25%	2	0	-100%
		HIST	10	1	-90%	7	1	-86%	6	0	-100%
		PSCI	8	3	-63%	4	3	-25%	1	2	100%
		SOC	12	14	17%	5	8	60%	4	6	50%
		SPA	20	8	-60%	12	4	-67%	11	0	-100%
		THEA	10	3	-70%	8	2	-75%	7	0	-100%
*TOTAL CH			179	127	-29%	104	63	-39%	81	42	-48%

Month Day	College	Major	Applications Received Domestic for Spring 2017	Applications Received Domestic for Spring 2018	Percentage Change	Applications Received International for Spring 2017	Applications Received International for Spring 2018	Percentage Change
03-12	CB	ACCT	193	137	-29%	23	15	-35%
		BA	263	230	-13%	61	93	52%
		BUSA	45	43	-4%	102	92	-10%
		FIN	41	39	-5%	18	25	39%
		MGT	48	52	8%	24	23	-4%
		MKT	23	35	52%	8	4	-50%
*TOTAL CB			613	536	-13%	236	252	7%
	CH	ACRM	39	53	36%	0	0	0%
		APPL	30	20	-33%	2	4	100%
		ART	16	2	-88%	1	1	0%
		ENG	17	5	-71%	2	1	-50%
		ENG PhD	8	8	0%	4	4	100%
		HIST	10	1	-90%	0	0	0%
		PSCI	8	1	-88%	0	2	0%
		SOC	11	14	27%	1	0	-100%
		SPA	20	7	-65%	0	1	0%
		THEA	10	3	-70%	0	0	0%
*TOTAL CH			169	114	-33%	10	13	30%

Month Day	College	Major	Applications Received Domestic	Applications Received International	Applications Received Total
03-12	CB	ACCT	137	15	152
		BA	230	93	323
		BUSA	43	92	135
		FIN	39	25	64
		MGT	52	23	75
		MKT	35	4	39
*TOTAL CB			536	252	788
	CH	ACRM	53	0	53
		APPL	20	4	24
		ART	2	1	3
		ENG	5	1	6
		ENG PhD	8	4	12
		HIST	1	0	1
		PSCI	1	2	3
		SOC	14	0	14
		SPA	7	1	8
		THEA	3	0	3
*TOTAL CH			114	13	127

Types of Reporting

Static		Dynamic
✗	EASE OF UTILITY	✓
✗	INTUITIVE INTERFACE, WORKFLOW & INTERACTIVITY	✓
✗	PARAMETRIC CONTROLS FOR USER CUSTOMIZATION	✓
✗	SOLVES USER QUERIES SIMPLE AND FAST	✓
✗	MAINTENANCE & DEVELOPMENT COSTS	✓

Our Solution: Data Visualization

- Research has shown that data visualization is a powerful means to discovery, understanding, and communicating about the important stories that live in our data (Armitage, 2016).

Real World Applications

Patterns

Theoretical Modeling

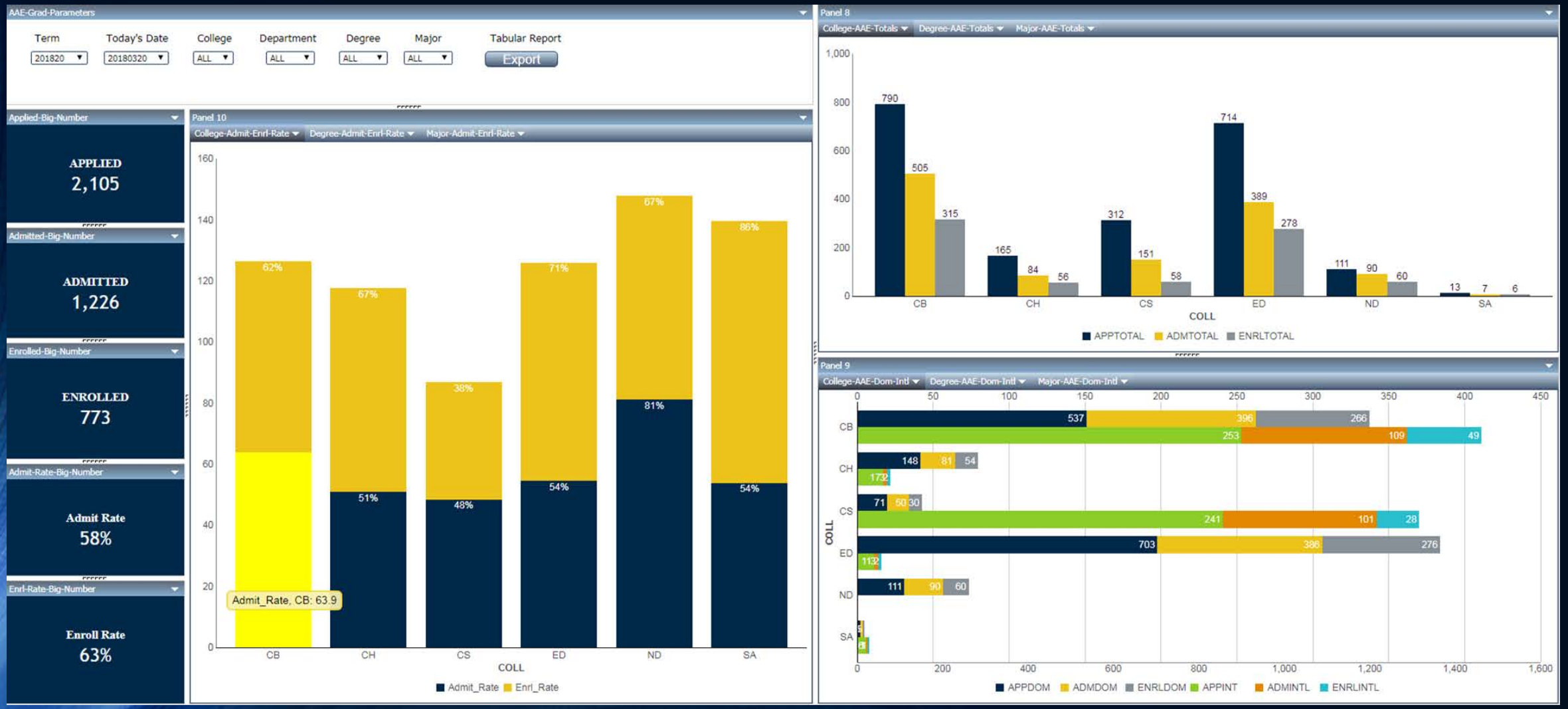
Hidden Story

User Friendly Interface

Dashboard Concept

Wisdom

The Future: What we delivered?



Thank You!!!

ANY QUESTIONS, PLEASE?