Microsoft Power BI
Dashboard Demonstration

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ADMISSION YIELD BY COLLEGE
ADMISSION YIELD and GAP DATA BY COLLEGE
ADMISSION and RECRUITMENT DATA, NEVADA
ADMISSION and RECRUITMENT DATA, CALIFORNIA

Admitted New Freshmen from California

Average High School GPA: 3.45

Admission Yield: 28.5%

Average ACT: 23.88

Number of Recruitment Type Contacts:

- All: [Data]
- Emailed & Called: [Data]
- Emailed or Called: [Data]
- Not Contacted: [Data]
- NV Bound Participated: [Data]
- Reception Participated: [Data]
- Campus Walking: [Data]
- Recruitment Fair: [Data]
- Preview Participant: [Data]
- Onsite Admission: [Data]
- Special Event Participant: [Data]
- High School Visit: [Data]
ADMISSION and ACADEMIC PREPARATION DATA, NEVADA CLARK/RURAL
FRESHMEN PREPARATION, RETENTION, ACADEMIC EXPERIENCE

Fall 2015 New Full-Time First-Year Students

Residency/Tuition Status
- WUE, 23.28%
- OS, 10.37%
- IS, 66.34%

Fall-Fall Retention % & SP Target %
- 80.96%
- 92%

Academic Readiness
- English only
- Math & English
- Math only
- Not Ready
- NV Fit Pgm
  - No
  - Yes
- Honors Pgm
  - No
  - Yes
- Housing Status
  - Living & Learning C
  - No
  - Yes (Not LLC)

Key Metrics: UNR GPA, Credit Loads, and HS Preparation
- 2.95 Average of Freshmen GPA
- 3.02 Average of Sophomore GPA
- 15.59 Average of Freshmen Credit Load
- 15.25 Average of Sophomore Credit Load
- 14.90 Average of Freshmen Credit Hours
- 0.35 Average of Sophomore Credit Hours
- 0.40 Average of CMI Freshmen GPA
- 23.57 Average of CMI Sophomore GPA
- 3.57 Average of CMI Freshmen Credit Load
- 74.44 Average of CMI Sophomore Credit Load
- 0.74 Average of CMI Freshmen Credit Hours
- 0.91 Average of CMI Sophomore Credit Hours

Gender
- Male
- Female

Athlete
- Yes
- No

Academic Major
- All

College
- All
UNDERGRADUATE STUDENT PROFILE BY CLASS LEVEL
**UNDERGRADUATE RETENTION BY CLASS LEVEL**

### Fall 2015 Undergraduate Profile and Retention

#### Enrollment by Residency
- IS
- OS
- WUE

#### Enrollment Status
- CON
- FYR
- TRN
- NON
- SEC
- EES
- FYT
- COA

#### Fall to Fall Retention % & SP...
- 79.64
- 90.5%

#### Students by Class Level
- Freshman
- Sophomore
- Junior
- Senior
- Nondegree
- Pell Students

#### Academic Major

#### Enrollment by College

#### Ethnicity/Race
- AIAXN
- BLACK
- PACIF
- ALIEN
- HISPA
- UNKNW
- ASIAN
- MULTI
- WHITE

#### Gender
- F
- M

#### Athlete
- No
- Yes

#### Housing
- Living & Learning C
- No
- Yes (Not LLC)

#### Honors Pgm
- No
- Yes

#### Credit Load
- F
- P

#### Programs
- Agriculture
- Business
- Education
- Engineering
- Health Sciences
- Interdisciplinary Programs
- Journalism
- Liberal Arts
- Science
GRADUATION RATE PIPELINE
COLLEGE ENROLLMENT FLOW DATA, YEAR 1 TO YEAR 2
"WHAT IF' FRESHMEN RETENTION PREDICTION, FALL-SPRING

Predicting New Full-Time Freshman Persistence

Probability % of Spring Semester Persistence

74.25%

Student works on campus
No Yes

Student is part of a Living-and-Learning Community
No Yes

Student lives on campus
No Yes

Student has Pell Grant
No Yes

High School Core GPA is:
0.01 0.02 0.03 0.04 0.05 0.06 0.07

Expected/actual Midterm GPA is:
0.01 0.02 0.03 0.04 0.05 0.06 0.07

Mother has a Bachelor Degree
No Yes

Student plans to work full time while at UNR
No Yes

Annual family incomes is less than $40,000
No Yes

ESTIMATION METHOD for SECOND SEMESTER PERSISTENCE
The predicted probability is based on a generalized linear model with a binomial distribution and logit link function. Parameter estimates for each predictor use both the Fisher and Newton-Raphson scoring methods to achieve maximum-likelihood estimation. Using 15,420 historical student cases, the model achieved a 87% correction classification rate for dropout students in the holdout cohort. The ten displayed input parameters offered the most parsimonious and balanced estimation solution.
‘WHAT IF’ FRESHMEN RETENTION PREDICTION, FALL-FALL

Predicting New Full-Time Freshmen Persistence

Student has loan aid
- No
- Yes

Student is a Nevada resident from Clark or rural county
- No
- Yes

Student is an out-of-state resident with no tuition discount (WUE, NV Adv)
- No
- Yes

Student is part of a Living-and-Learning Community
- No
- Yes

Your expected/actual Midterm GPA is:
- 0.01
- 0.02
- 0.03
- 0.04
- 0.05
- 0.06
- 0.07

ESTIMATION METHOD for THIRD SEMESTER PERSISTENCE
The predicted probability is based on a generalized linear model with a binomial distribution and logit link function. Parameter estimates for each predictor use both the Fisher and Newton-Raphson scoring methods to achieve maximum-likelihood estimation. Using 12,738 historical student cases, the model achieved a 85% correction classification rate with the training data cohorts. The ten displayed input parameters offered the most parsimonious and balanced estimation solution.

Probability % of Fall-to-Fall Semester Persistence
- 62.21

Student is...
- Female
- Male

Mother has a Bachelor Degree
- No
- Yes

Plan to work full-time while in college?
- No
- Yes

Annual family income is less than $40,000
- No
- Yes
BENCHMARKING FRESHMEN RETENTION

Predicting New Full-Time Freshmen Retention with IPEDS Data (Fall '12)

Actual Minus Predicted Rate %-Pts

76.10  -0.02  76.12

Actual Retention Rate  Golden area: Land-Grant 25th-75th %tile  Predicted Retention Rate

6-Year Graduation Rate

% FT UG Students with Fed Grant A...

% New FT UG Black Students

% New FT UG Native Am/Pac Islander S...

% New FT UG Unknown Ethnicity/...
BENCHMARKING SIX-YEAR GRADUATION RATE

Predicting 6-Year Graduation Rate with IPEDS Data (2008 Cohort)

Actual Minus Predicted Rate %: -0.09

Actual Graduation Rate: 56.83
Golden area: Land-Grant 25th-75th %tile: 54%
Predicted Graduation Rate: 56.80

% New Full-Time UG Pell Students: 0.00 % to 100.00 %
% New Full-Time UG Back Students: 0.00 % to 100.00 %
% New FT Freshmen Women: 0.00 % to 100.00 %

Institutional Control:
- No
- Private NFP
- Public

Student Enrollment:
- Under 1,000
- 20,000 or more
- 1,000 - 4,999
- 5,000 - 9,999
- 10,000 - 19,999

Rural Area Institution:
- No
- Yes

Institution Name:
- Associate/Special
- Bachelor A&S
- Bachelor Diverse
- Doctoral/Research
- Master's Large
- Master's Medium
- Master's Small
- Other Land G.: UNR
- RUH
- UNR
STUDENT CREDIT HOURS BY COLLEGE, DEPARTMENT, AND PROGRAM

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### Full-Time Equivalency (FTE) by College, Department, and Program

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**Undergraduate FTE by Term (Full Semesters)**

**Graduate FTE by Term (Full Semesters)**