



## Tableau Live Webinar

# Leveraging Data Analytics for Student Success

August 12, 2020

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Director of Analytics



# ASU Charter

ASU is a comprehensive public research university, measured not by whom we exclude, but rather by whom we **include** and how they **succeed**; advancing **research** and discovery of **public value**; and assuming **fundamental responsibility** for the **economic, social, cultural and overall health** of the communities it serves.

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# An Intervention Framework

## *Information*

What is the  
useful  
information you  
are providing?

## *Individual*

Who will  
benefit from  
having this  
information?

## *Intervention*

What is the  
intervention?

# Examples - Leveraging Canvas Data

- “Pull”

- Activity Summary
- Gradebook Overview

I’m a Success Coach meeting with Student later today. Let me **pull** up information on Student so I have context for our conversation.

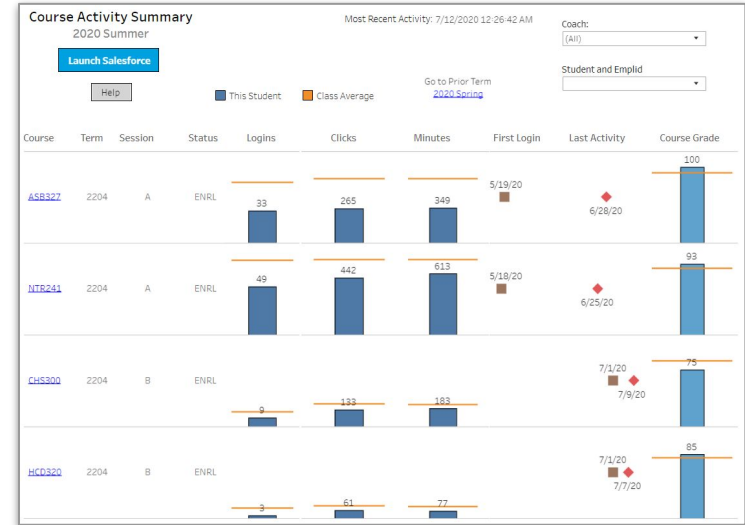
- “Push”

- Activity Filter
- Course Scatter Plot

I’m responsible for student success in my department. I want to use a dashboard to proactively **push** data to me on students who might need help.

# Activity Summary

- Bird's-eye view of current courses
- Activity/grades; relative to class
  - Logins, clicks, minutes
  - Course grade
- All courses in current term



# Course Activity Summary

2020 Summer

Most Recent Activity: 7/12/2020 12:26:42 AM

Coach:

(All) ▼

Launch Salesforce

Help

■ This Student

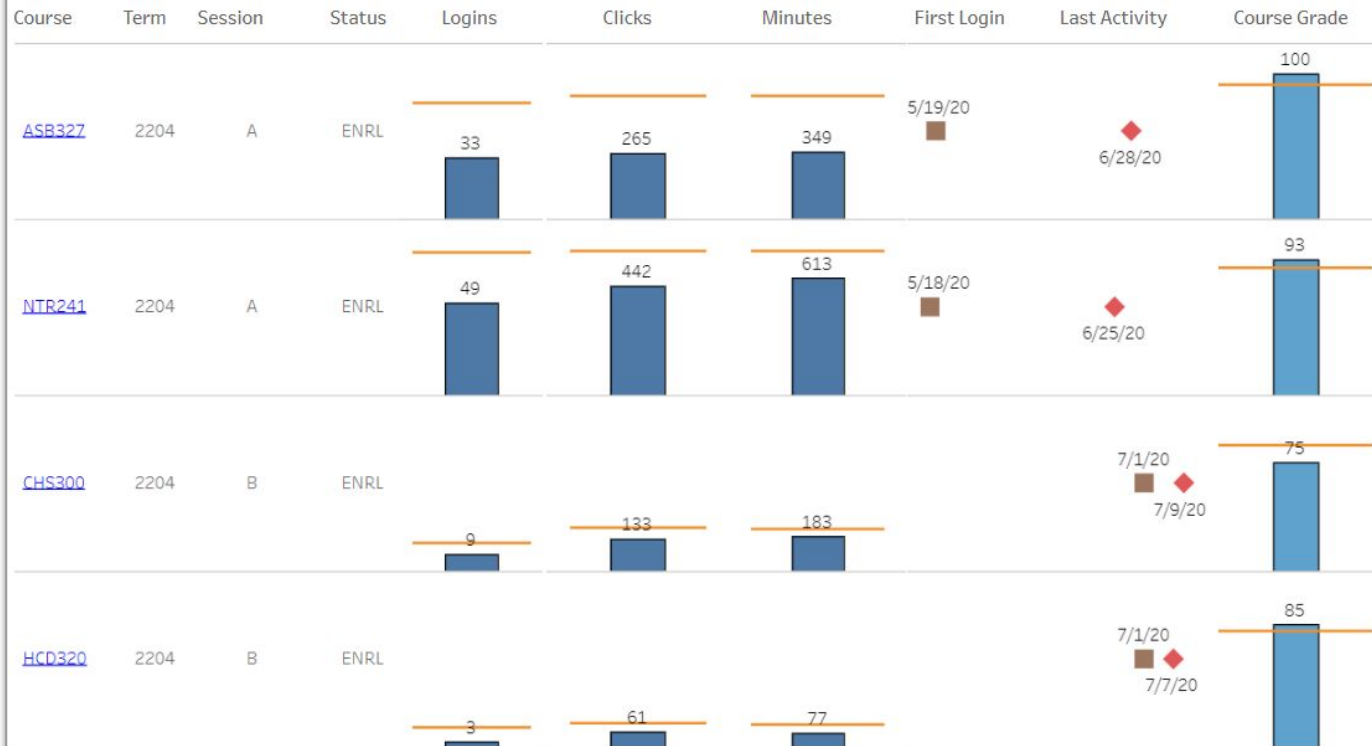
■ Class Average

Go to Prior Term

[2020 Spring](#)

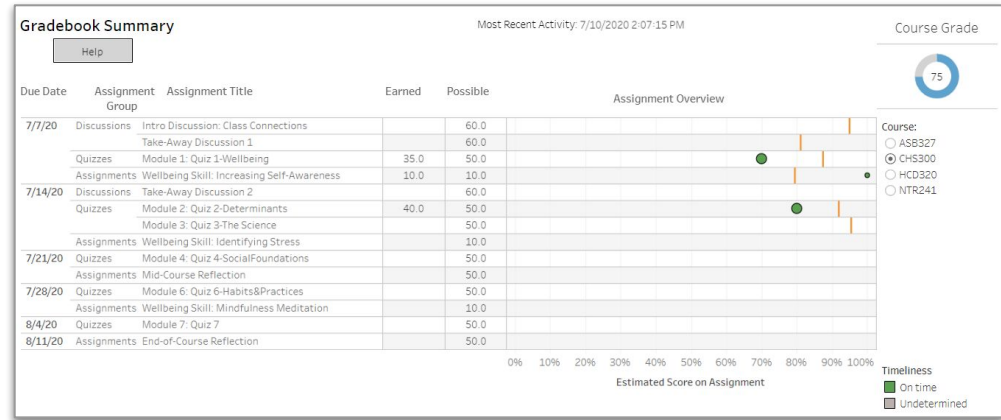
Student and Emplid

▼



# Gradebook Overview

- Entire Gradebook view
  - Assignments
  - Due dates
  - Points possible
- Completed assignments
  - Score (relative to others)
  - Submission timeliness



# Gradebook Summary

Most Recent Activity: 7/10/2020 2:07:15 PM

Course Grade

Help



| Due Date | Assignment Group | Assignment Title                           | Earned | Possible | Assignment Overview |
|----------|------------------|--|--------|----------|---------------------|
| 7/7/20   | Discussions      | Intro Discussion: Class Connections        |        | 60.0     |                     |
|          |                  | Take-Away Discussion 1                     |        | 60.0     |                     |
|          | Quizzes          | Module 1: Quiz 1-Wellbeing                 | 35.0   | 50.0     |                     |
|          | Assignments      | Wellbeing Skill: Increasing Self-Awareness | 10.0   | 10.0     |                     |
| 7/14/20  | Discussions      | Take-Away Discussion 2                     |        | 60.0     |                     |
|          |                  | Module 2: Quiz 2-Determinants              | 40.0   | 50.0     |                     |
|          | Assignments      | Module 3: Quiz 3-The Science               |        | 50.0     |                     |
|          |                  | Wellbeing Skill: Identifying Stress        |        | 10.0     |                     |
| 7/21/20  | Quizzes          | Module 4: Quiz 4-Social Foundations        |        | 50.0     |                     |
|          | Assignments      | Mid-Course Reflection                      |        | 50.0     |                     |
| 7/28/20  | Quizzes          | Module 6: Quiz 6-Habits&Practices          |        | 50.0     |                     |
|          | Assignments      | Wellbeing Skill: Mindfulness Meditation    |        | 10.0     |                     |
| 8/4/20   | Quizzes          | Module 7: Quiz 7                           |        | 50.0     |                     |
| 8/11/20  | Assignments      | End-of-Course Reflection                   |        | 50.0     |                     |

Course:

- ☐ ASB327
- ☒ CHS300
- ☐ HCD320
- ☐ NTR241

Timeliness

- ☒ On time
- ☐ Undetermined



# Examples - Leveraging Canvas Data

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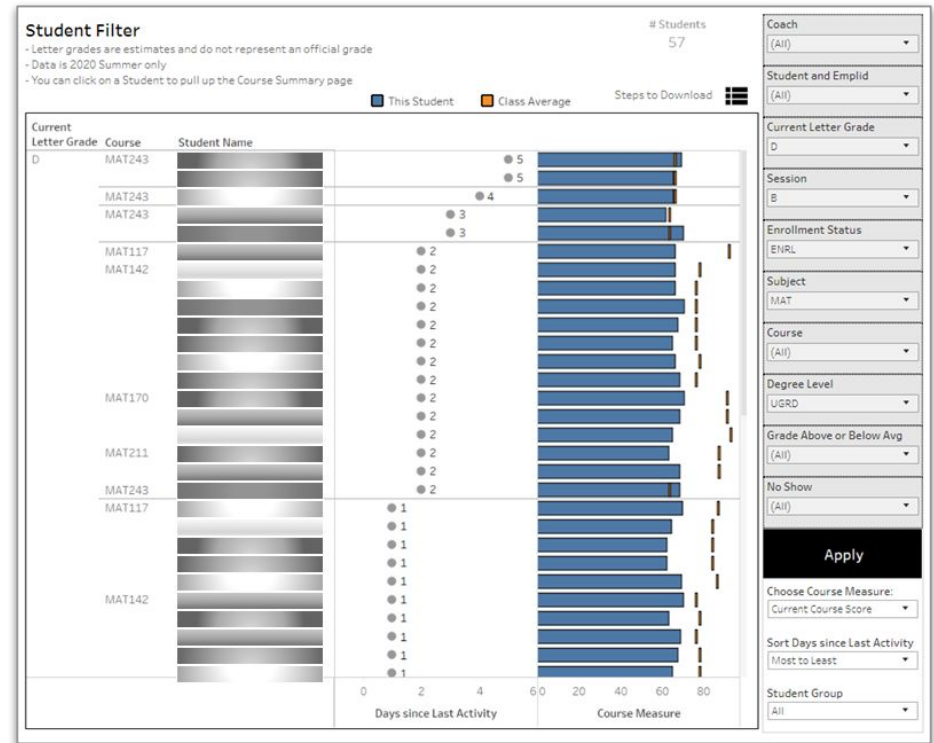
- “Push”

- Activity Filter
- Course Scatter Plot

I’m responsible for student success in my department. I want to use a dashboard to proactively **push** data to me on students who might need help.

# Activity Filter

- Look for characteristics
  - Current course grade
  - Term/session
  - Subject/course
- Sort by last activity date
- Click to jump to 'pull' dash



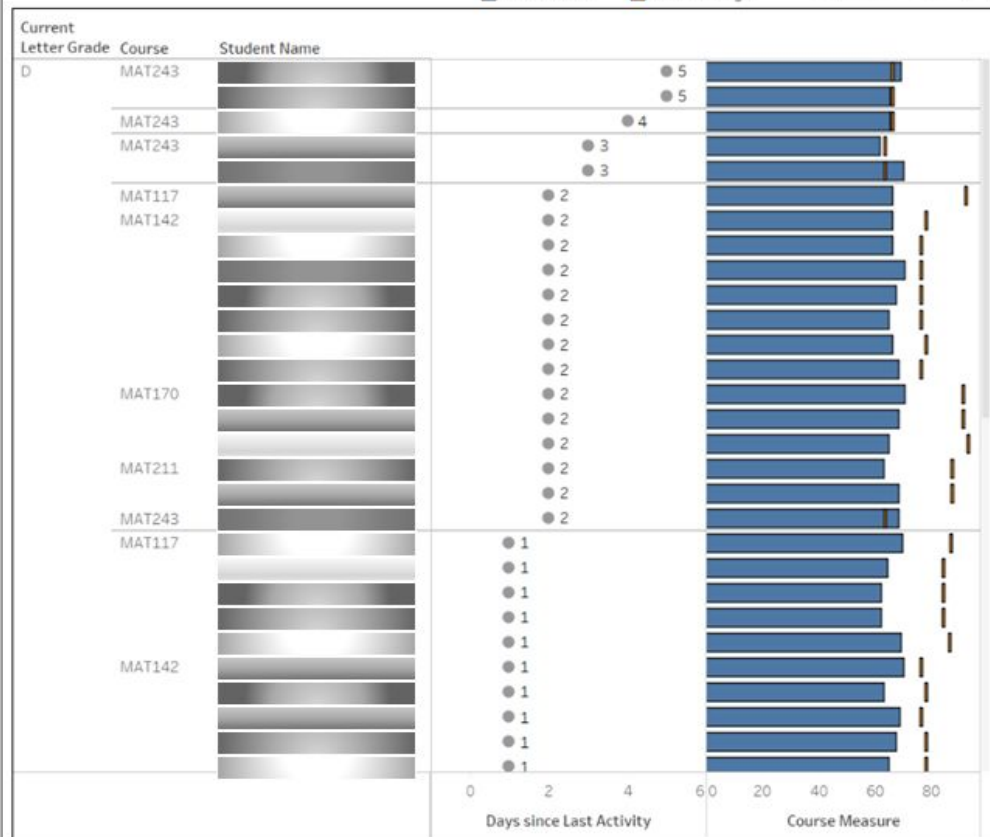
## Student Filter

- Letter grades are estimates and do not represent an official grade
- Data is 2020 Summer only
- You can click on a Student to pull up the Course Summary page

# Students  
57

☒ This Student ☐ Class Average

Steps to Download



Coach

(All)

Student and Emplid

(All)

Current Letter Grade

D

Session

B

Enrollment Status

ENRL

Subject

MAT

Course

(All)

Degree Level

UGRD

Grade Above or Below Avg

(All)

No Show

(All)

Apply

Choose Course Measure:

Current Course Score

Sort Days since Last Activity

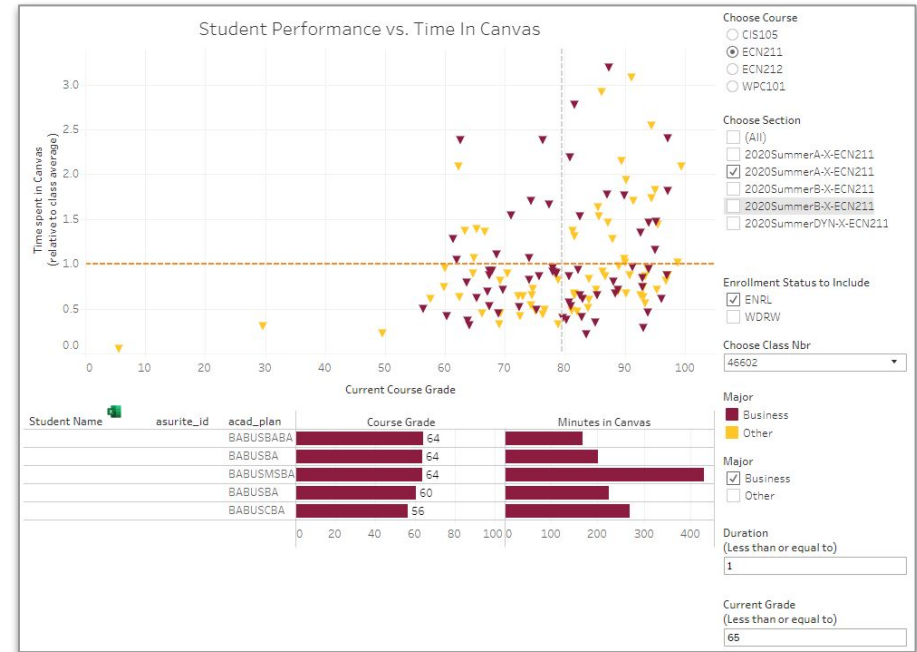
Most to Least

Student Group

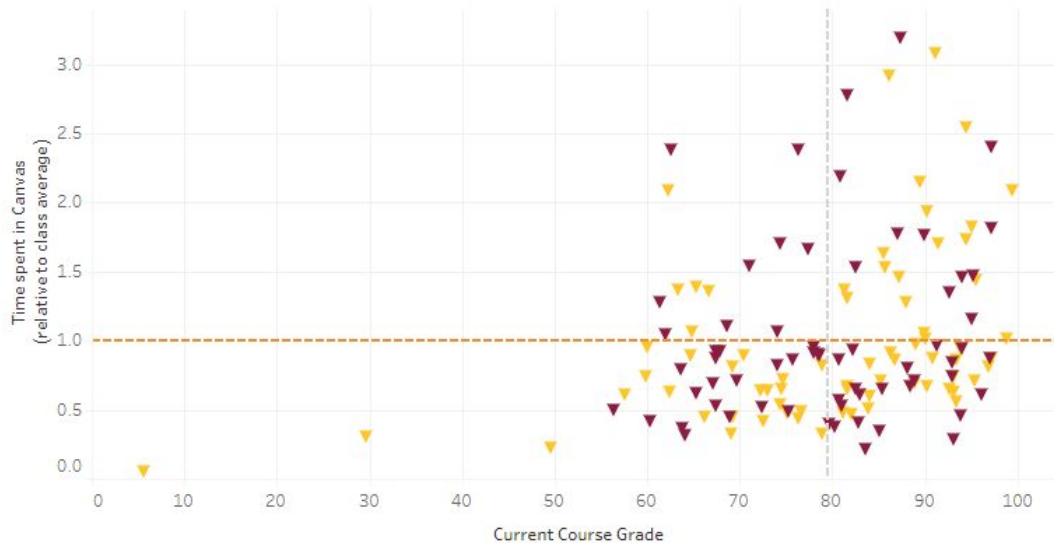
All

# Course Scatter Plot

- Delve into key courses
- Look at students by:
  - Current course grade
  - Time spent in Canvas
- Use filters to get desired list for student outreach



# Student Performance vs. Time In Canvas



Choose Course

- ☐ CIS105
- ☒ ECN211
- ☐ ECN212
- ☐ WPC101

Choose Section

- ☐ (All)
- ☐ 2020SummerA-X-ECN211
- ☒ 2020SummerA-X-ECN211
- ☐ 2020SummerB-X-ECN211
- ☐ 2020SummerB-X-ECN211
- ☐ 2020SummerDYN-X-ECN211

Enrollment Status to Include

- ☒ ENRL
- ☐ WDRW

Choose Class Nbr

46602

Major

- ☒ Business
- ☐ Other

Major

- ☒ Business
- ☐ Other

Duration

(Less than or equal to)

1

Current Grade

(Less than or equal to)

65

| Student Name | asurite_id | acad_plan | Course Grade | Minutes in Canvas |
|--------------|------------|-----------|--------------|-------------------|
|              |            | BABUSBABA | 64           | 150               |
|              |            | BABUSBA   | 64           | 200               |
|              |            | BABUSMSBA | 64           | 450               |
|              |            | BABUSBA   | 60           | 250               |
|              |            | BABUSCBA  | 56           | 300               |

# An Intervention Framework

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information you  
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## *Individual*

Who will  
benefit from  
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## *Intervention*

What is the  
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# Parting Thoughts

- Use data to complement human decision-making
- Technology side (AWS, Tableau...) - small, knowledgeable team
- Litmus test - does this tool make you a better Coach?

**Thank You!**



**Mike Sharkey**

**Director of Analytics**

**ASU, University Technology Office**

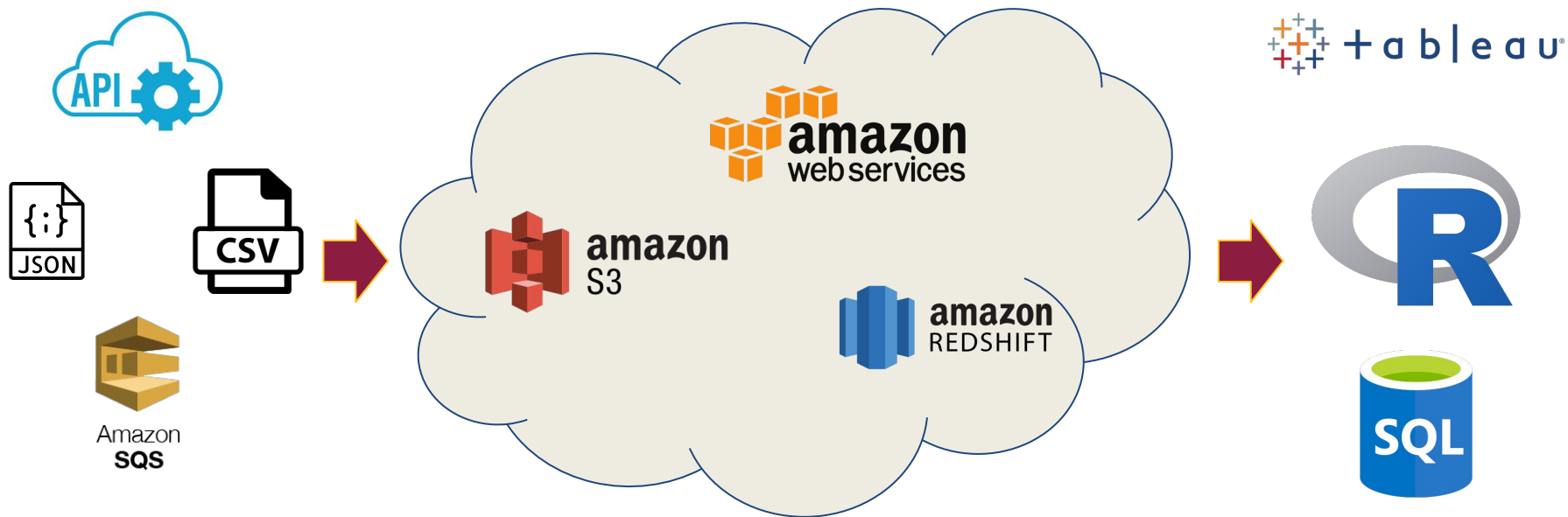
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# Back pocket slides



# High Level Architecture





# The Data Team

