BRENDEN GOETZ AND ALEX KARKLINS

INTELLIGENCE FOR SUCCESSFUL SPY OPERATIONS:

CANVAS-HOSTED DATA AND TABLEAU

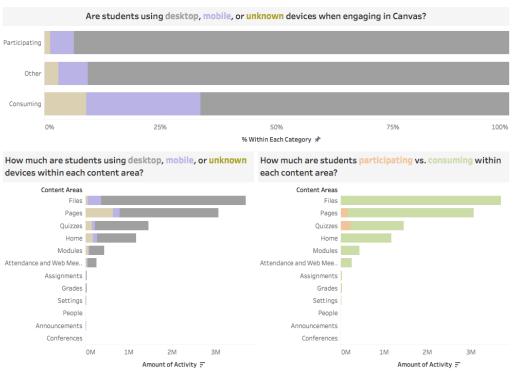






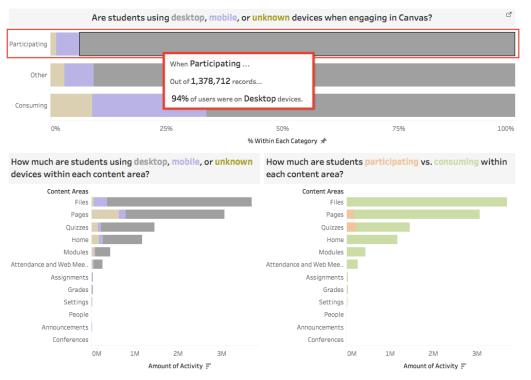
AND I WANT IT MEOW





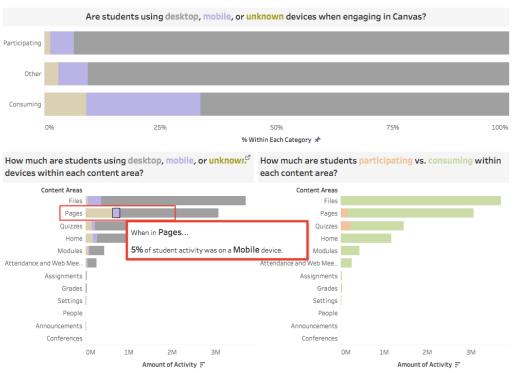






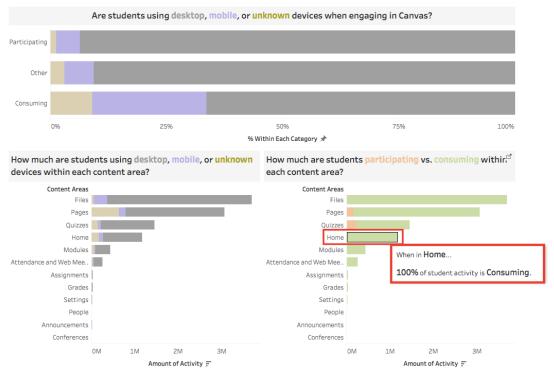










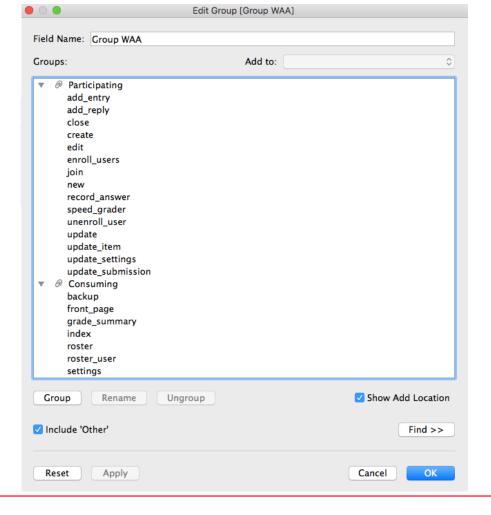




How We Built It

- Tableau
- Data Source
- Data Understanding







```
Content Areas
                                                                                            X
IF (([web_application_controller] = "courses"
            AND [web_application_action] = "show")
            AND [http_status] = "200"
            AND [http_method] = "GET"
            AND CONTAINS([url],"api") = FALSE)
        OR (([web_application_controller] = "courses"
            AND [web_application_action] = "update"
            AND [http_status] = "302"
            AND CONTAINS([url],"api") = FALSE))
THEN "Home"
    ELSEIF (([web_application_controller] = "announcements"
            AND [web_application_action] = "index"
            AND [http_status] = "200")
        OR ([web_application_controller] = "discussion_topics"
            AND [web_application_action] = "show"
            AND [http_status] = "302")
        OR ([web_application_controller] = "discussion_topics"
            AND [web_applicaiton_action] = "new"
            AND [http_status] = "200"
            AND CONTAINS([url],"announcement")))
THEN "Announcements"
    ELSEIF (([web_application_controller] = "assignments"
            AND [web_application_action] = "index"
            AND [http_status] = "200")
        OR ([web_application_controller] = "assignments"
            AND [web_application_action] = "show"
            AND [b++n status] - "200")
```

The calculation is valid.

Sheets Affected ▼

Apply

OK



Mobile V1 ×

```
IF CONTAINS(LOWER([user_agent]), 'ipad') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'iphone') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'intel mac') THEN "Desktop"
ELSEIF CONTAINS(LOWER([user_agent]), 'windows nt') THEN "Desktop"
ELSEIF CONTAINS(LOWER([user_agent]), 'android') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'canvaskit') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'ios/9') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'ios/8') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'ios/7') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'icanvas') THEN "Mobile"
ELSEIF CONTAINS(LOWER([user_agent]), 'icanvas') THEN "Mobile"
ELSE "Unknown"
END
```

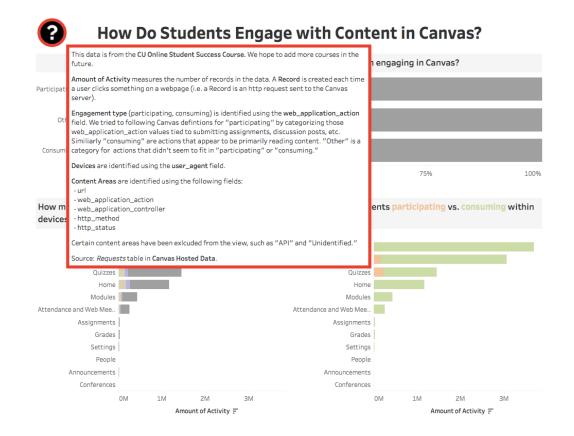
The calculation is valid.

Sheets Affected ▼

Apply









How We Built It

- Tableau
- Data Source
- Data Understanding
- Caveats and Learnings



"There is no doubt that mobile learning has caught the imagination of e-learning developers worldwide."

- Hema Gopalakrishnan

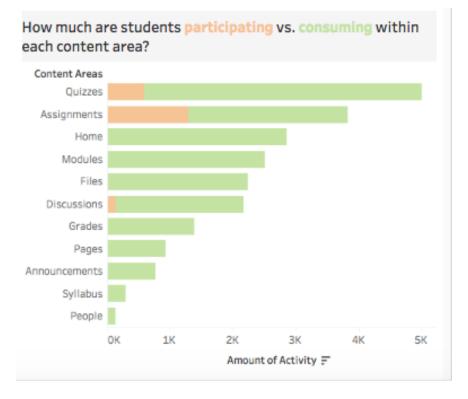
Source: http://blog.commlabindia.com/elearning-development/mobile-learning-design-considerations



What We're Doing With It

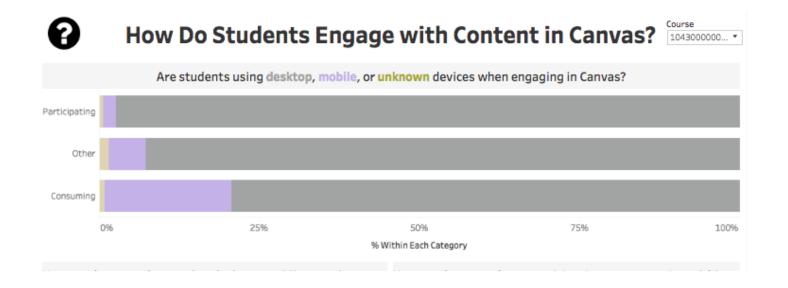


1) Showing instructors how students interact with content types



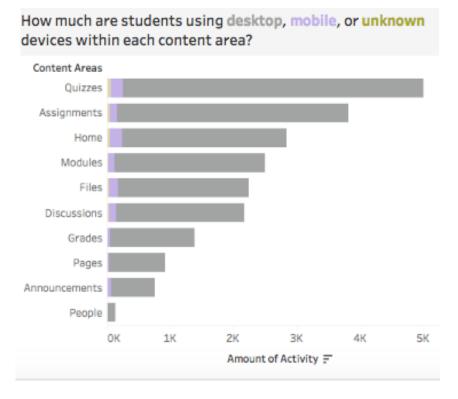


2) Seeing what percentage of students use mobile features



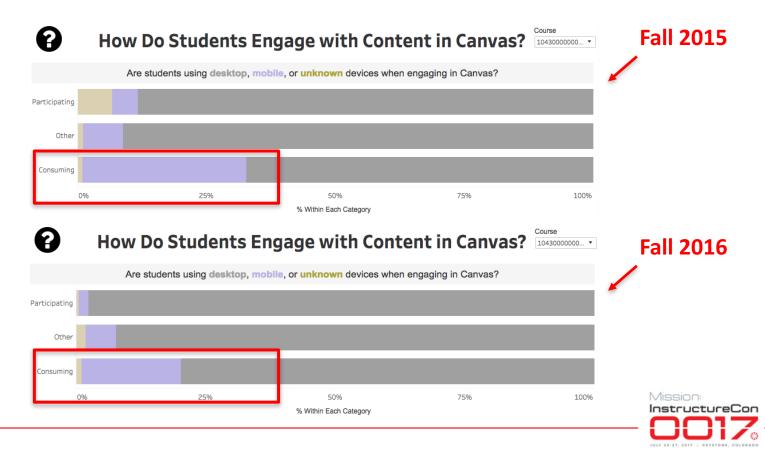


3) Prioritizing what content to revise for accessibility and mobility





4) Explore trends over time



What's Next

- Design study to see effects of mobile design over time
- Explore "Chicken and egg" question
- Deploy to instructional designers
- Dashboard enhancements
- Community Feedback





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Device Usage in Canvas Data with Tableau

□ Discussion created by Brenden Goetz on Nov 2, 2016

Latest reply on May 4, 2017 by Brenden Goetz
□

https://goo.gl/sWdXm9



