

Visualizing Student Research through a  
Multi-Conditional Branching  
"Choose Your Own Adventure"-Style  
Tutorial

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# Choose Your Own Research Adventure

0%

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You are just beginning your research on Cordaceae, a subject you know nothing about. Where do you begin?

- Google
- Your course syllabus
- UBC Library's Summon Search

Next

# Data

- 42 Nodes/Questions
- 116 Links/Responses
- 59 Branching rules
- 93 Respondents

# Constraints

- Final product uses Tableau
- Cross-tabulated data with minimal transformation requested

(begin)	(summon)	(syllabus1)	(Assignment)
UBC Library's Syllabus		The assignment   Google	
Your course syllabus		The assignment   UBC Library's Summon Sel s	
UBC Library's Syllabus		I think we read something about Cordacae ea	
Google			
UBC Library's Google			
Google			
Google			
Google			
Your course syllabus		I think we read something about Cordacae ea	
UBC Library's Google			
Google			
UBC Library's Syllabus		The assignment   UBC Library's Summon Sel s	
UBC Library's Syllabus		The assignment   Google	
UBC Library's Syllabus		I think we read something about Cordacae ea	
Your course syllabus		I think we read something about Cordacae ea	

# Questions to answer

- Student use of tutorial content
- Student opinion on tutorial format
- Reach and retention rate
- Use of tutorial by different classes of students (grad, undergrad, public)
- Understanding of student research methods

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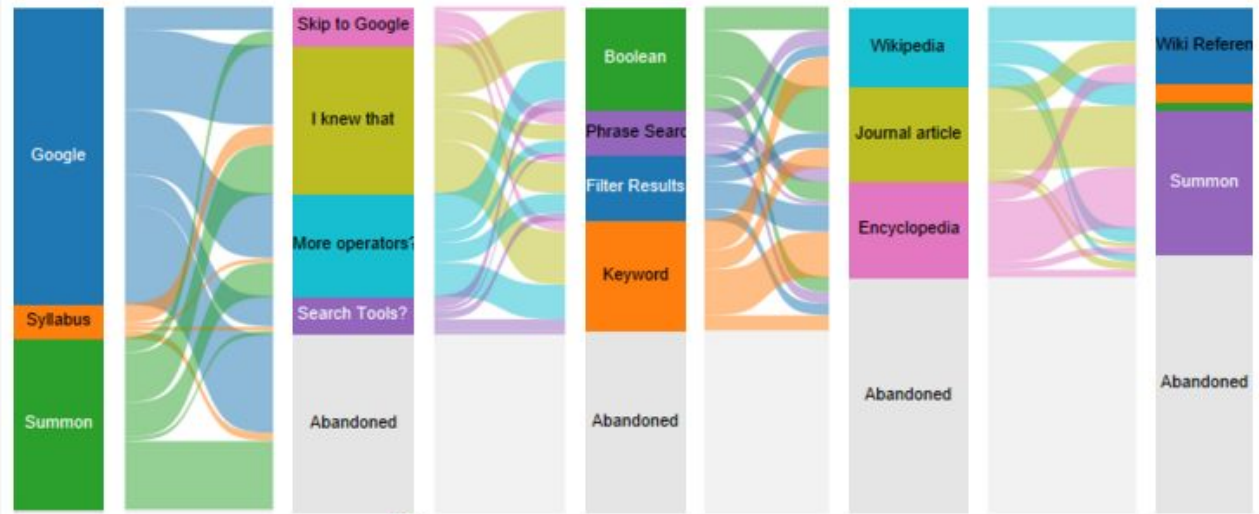
# Questions to answer

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# Choose Your Own Research Adventure

Completion Rate **49.2%**  
 # Began 132  
 # Completed 65

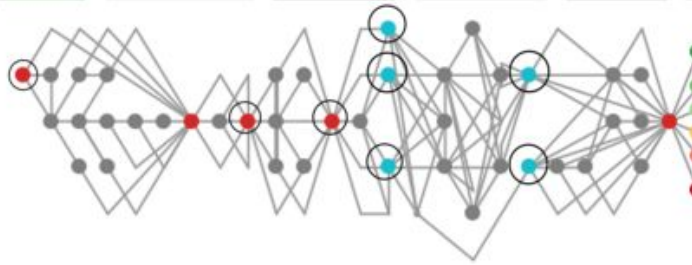
**Overview**  
 Students' First Instincts  
 Awareness of Google  
 Use of Search Results  
 Use of Wikipedia



Filter by Course ID

- (All)
- FNH325
- FOOD511
- HUNU500
- LFS100
- LFS150
- LFS250
- LFS350
- LibGuide
- SOIL500

Click bar to filter by student level



- I loved this! Please make more tutorials like it!
- I loved it, but this one adventure is all I'd be interested in
- I guess I'd rather do the tutorial stuff in this format than just reading pages in Connect
- I don't really have strong feelings one way or the other
- I hated this, but I really don't think there's a tutorial format I would have liked better.
- I hated this. I did not like this style of tutorial at all.
- Abandoned

Click a bar above to filter results by student response

# What

- Tabular data
- Text Survey

# Why

- Discover trends
- Identify and compare patterns of use

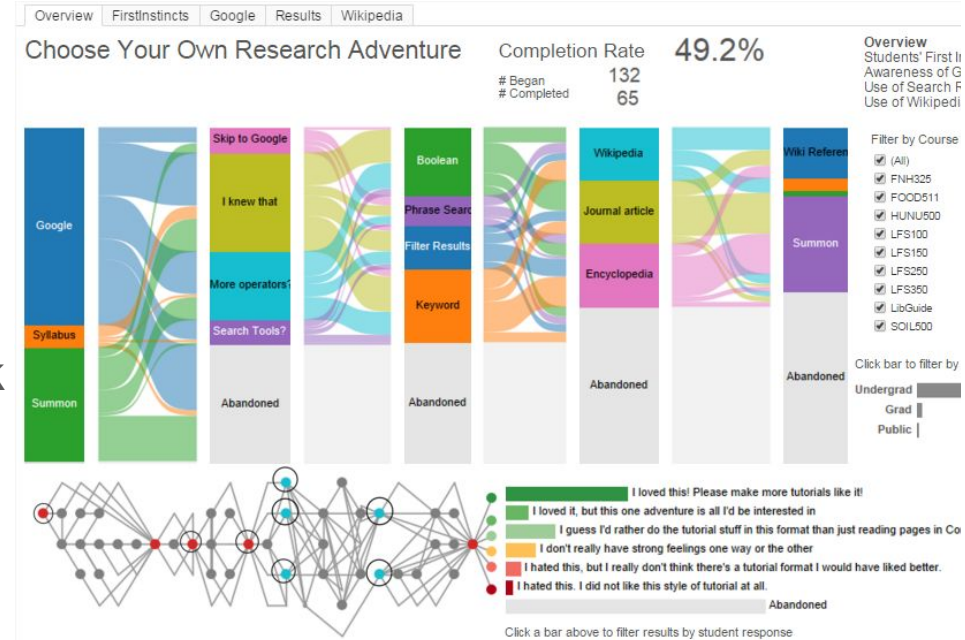
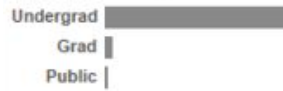




# How

- Overview first, details on demand
- Multiple linked views
- Linked navigation
- Interactive - text displays on hover
- Interactive - path highlighted on click
- Reduce - Filter by student level and response

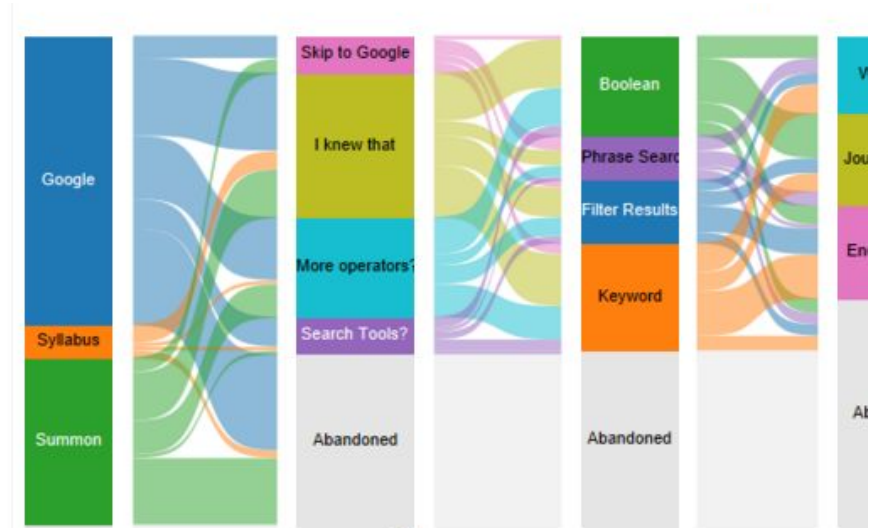
Click bar to filter by student level



# How

## Sankey Diagram

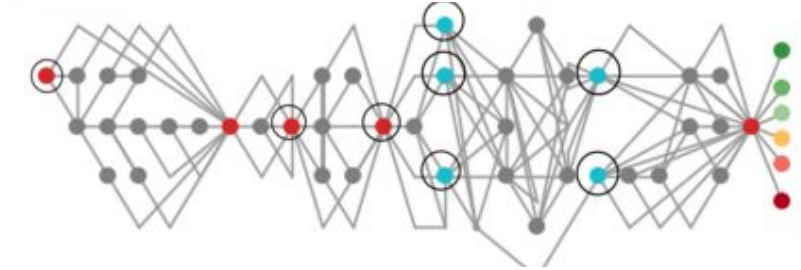
- Use encoded as line width
- Flows as paths of students
- Categorical color
- Compare with filters by student level and response



# How

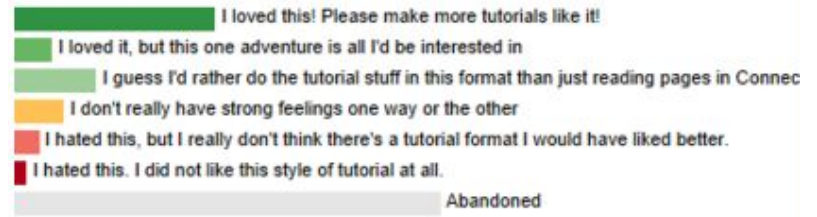
## Node and Link Diagram

- Questions as nodes
- Responses as links
- Categorical color
- Enclosure as navigational aid



## Stacked Bar Chart

- Count of students as length
- Categorical color



# How

## Derived calculations

- Aggregate by student type
- Count of students
- Percentage completion rate

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