

Ly topic modeling

5. Question(s)
How do students'
actions compare?
Which actions or
action sequences
are successful?
What insights can
we get about
modeling in cestom

Ninte. These aren't The colors I would use

Layout

C2Stem Teocher Dash

2D projection

Student Performance(AIII)

Occident Victorial

Parallel Coords

Students Performance(AIII)

Statistics

Students Performance(AIII)

Occidents

Students Performance(AIII)

Occidents

Students

Title: Clustering Vis

Auther: Caitlin Snyder

Date: 3/11 Sheet: 2

Task: C2Stern Teacher Dash

Operations

- -Brushing on 2D projection would link to all other viaus + only show those students
- clicking a cluster label would populate all other news with only that cluster

Focus

- Cluster Color Mapping would be linked across all subviews
- Student Performance would be represented as a matrix wil topics mapped to the rows, students mapped to columns of spacety representing scores
- Cluster Statistics would be multiple but graphs with the y-channel being the number of that type of action, x-channel being the students

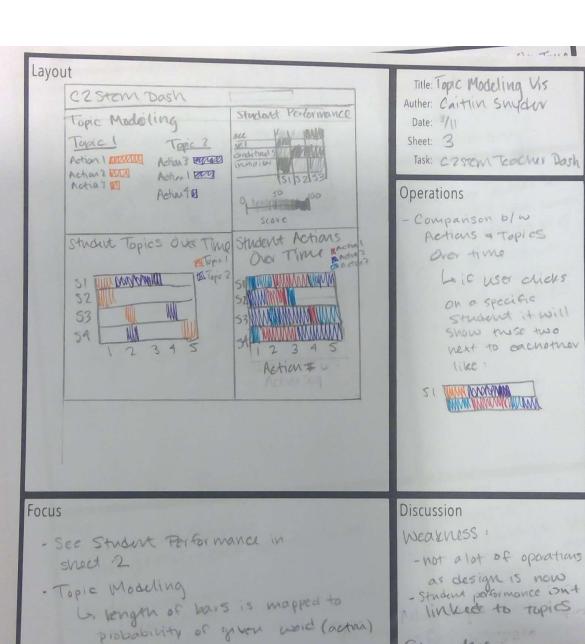
Discussion

Weaknesses

- requires abstraction of actions from 90 to asmaller dimension
- Might be too many actions to color in student actions over time view

Strongtus:

- teachers can see now clusters compare - easy to view student was formance

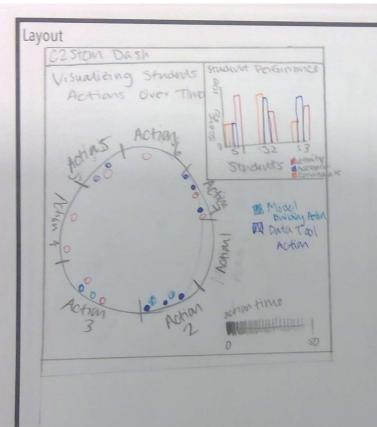


in cach topic

Mar Tune

Strongtus

-Can compare topics to individual actions



Title: Student Petras Over Time

Author: Caitlin Snyder

Date: 3/11 Sheet: 4

Task: C2 Stown Dash

Operations

- Hove over action & it will tell you which student performed it
- char on student in partormance vias at will highlight all of that student's actions

Focus

- Student Performance -bar graphs - each bar represents
- Sedimentation
 - Juminence Appresent what time The action was done
 - each action would be classified by higher abstraction (mapped to

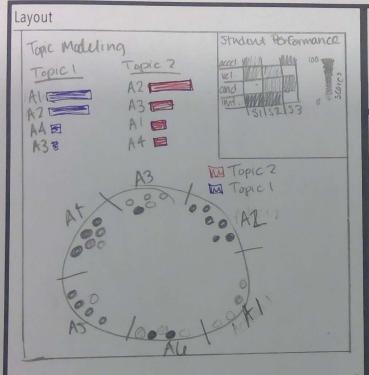
Discussion

weaknesses:

-Individual Student Actions are not immediately obvous

Strengths

- prioritizes student's actions of gives over all picking



Title: Possible Vis Author: Caitlin Snyder Date: 3/(1 Sheet: 5 Task: C2 Stom Dush board

Operations

Click on a topic & work who live ti that topic's action in sodimentarion New

- Crick on student + H will only show that student's actions in sed yen

Focus

- Overall Takeaway:

Combine Topic Modeling w/ ability to new actions over time

- Opacity of sediment - p time placed

Detail

Algorithms:

-LDA for topic modeling

Libraries

- Visual sedimentation (javascript)

-d3

Libar graphs + matnx