

What does the CU student body feel has changed (for better and for worse) as a result of the pandemic?

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DATA COLLECTION PROCESS

1

DEVELOP A RESEARCH
QUESTION

2

DEVELOP A
PROTOCOL

3

CONDUCT
INTERVIEWS

DATA ANALYSIS PROCESS

1

TRANSCRIBE AND
AGGREGATE ALL DATA

2

CODE THE DATA

3

PRODUCE THEMES
FROM THE CODES

FINDINGS FROM ANALYSIS



Initial CODES (Not fully displayed)

- past two semesters online courses
- this semester half in person
- online course self-discipline
- communication issues
- It will take TA longer to solve the problem
- Online courses, laziness, difficulties
- challenges, temptations
- Face to face, power
- Lack of self-control
- poor learning quality
- low efficiency of online classes
- No change
- In person good
- In person high efficiency.
- Tend IP classes
- ☆ Easier communication
- Easier access to academic resources
- More TA
- More office hour
- Save time meeting IP



- Connections can be made in in person classes
- forced to get out of bed for in person class
- Not reaching full potential in online classes
- problems with online classes
- Positives of online school
- physical contact
- More connections in person
- different learning styles
- rough transition back to in-person
- college students have small attention span
- Some professors make an effort to engage online
- wearing masks in person
- get to work in small groups in person
- more engaged in person
- staring at computer screen
- Just getting by online
- really learning things in person
- Writing on chalkboard is not helpful
- Professors should make creative presentations
- Students trying to engage with professors

- Online made it easier to focus on school
- Online worked for them but thinks it wouldn't work for others
- Felt like a total mess, unorganized
- Online is much more independent
- Enjoys hybrid model, good balance
- Online school presents many hardships
- Pandemic changed outlook on his education
- Hybrid model eases stress
- Friendships suffered when online
- Thinks students should be fully in person
- Less productive when online
- Better human connection in person
- Better understanding of material in person
- Masks in classrooms
- Asynchronous provides flexibility for learning
- Online school made them lazy
- Online school made mental health worse
- Teachers struggle with online lectures
- Can't learn on zoom ☆



Clustering Codes

(Analyzed by Question) (partially display)

Are you learning remotely or face-to-face?

- Online
 - Face to face
 - Both
- a. Disadvantages of remote classes?
- Small attention span
 - Poor learning quality
 - Low efficiency of online classes
 - Less productive when online
 - Difficulty taking notes over Zoom
- b. Advantages of remote classes?
- Easier communication
 - More office hours
 - Online courses are easier to understand
 - Online courses save more time
 - More safety for this situation



Whether it is feeling is good or bad for your personally

- Good
 - Not really
- a. Why? (good)
- Enjoys early zoom classes
 - Mix of both models is beneficial
 - Online made it easier to focus on school
 - Easier access to academic resources
 - Asynchronous provides flexibility for learning
- b. Why? (bad)
- In person increased health related anxiety
 - Online education jeopardized college admissions
 - Increased social anxiety
 - Better human connection in person
 - Better understanding of material in person
 - Felt like a total mess, unorganized

Have you ever experienced some extreme mental hardship during the pandemic?

- Feel stressful
 - More ease
 - Not at all
- a. Reasons for becoming better
- Feels like the professors caring more
 - enjoys asynchronous lectures to work at own pace
 - International students can stay in their home country
- b. Reasons for getting worse
- In person classes can make more friends
 - Enjoys being in classroom with peers
 - Online school made mental health worse
 - No social at all
 - Difficult for team works



Categories ☆

Gender

- Male
- Female

Major

- Business Administration with an emphasis in finance
- strategic communications with a minor in business
- environmental studies
- Computer science
- Economics
- International affairs
- chemical engineering with a minor in Computer Science.

Age

- 19
- 21
- 22



Preference



- All in person
- Remotely
- Mix of two methods

Reasons for preferring in-person classes

- More efficiency
- Easier access to the school resources
- Making for friends
- Better communication with professors, TA, and classmates
- Doesn't motivated
- Better learning atmosphere



Reasons for prefer learning remotely

- More convenient
- Feels more safety in this situation
- Online courses save more time
- enjoys asynchronous lectures to work at own pace
- More TA and more office hours



Themes

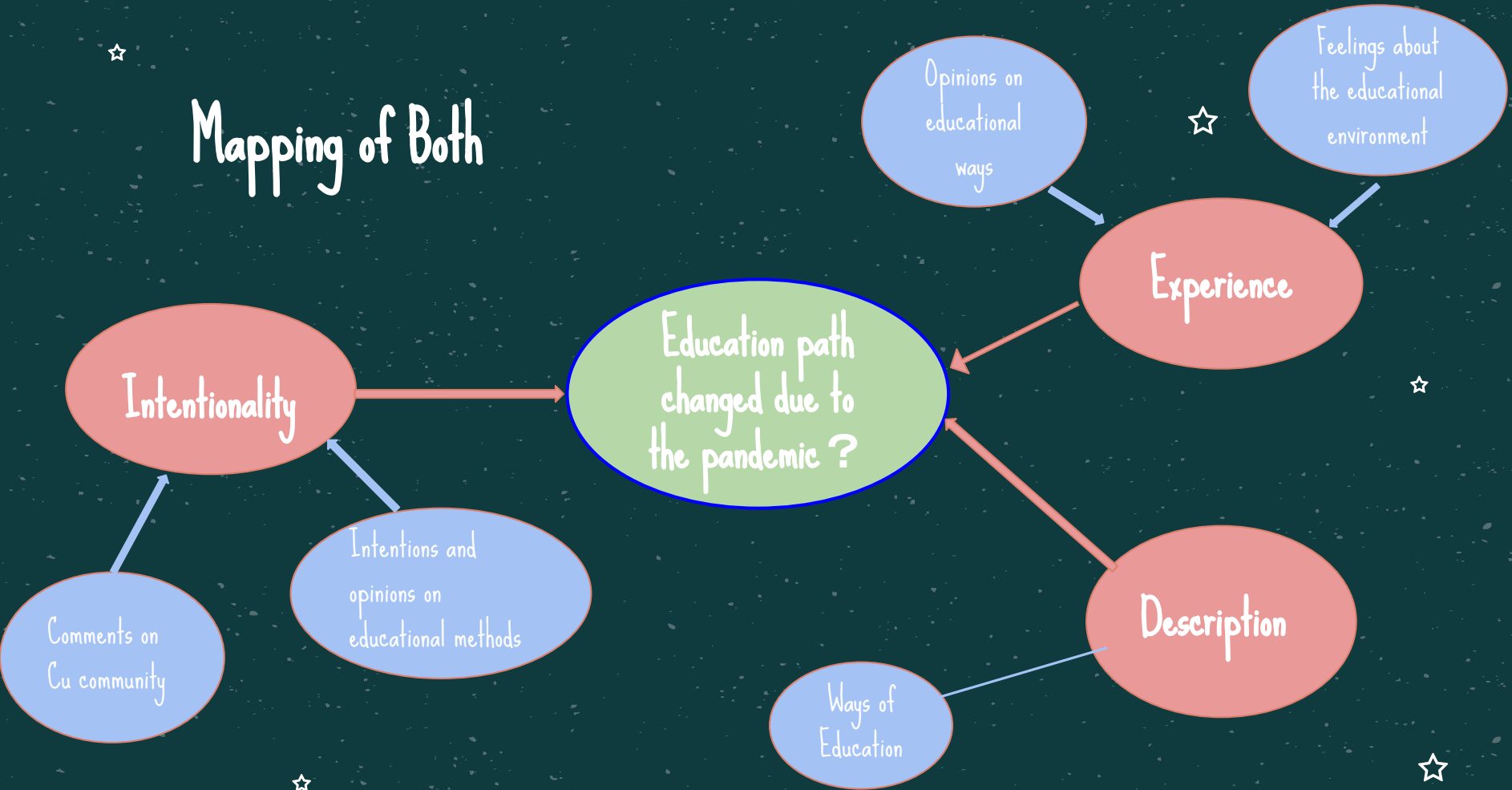


- ❖ Description
- ❖ Ways of Education

- ❖ Experience
- ❖ Opinions on educational ways.
- ❖ Feelings about the educational environment.

- ❖ Intentionality
- ❖ Comments on CU community
- ❖ Intentions and opinions on educational methods

Mapping of Both



IMPLICATIONS OF THE RESEARCH



POTENTIAL IMPACTS



IMPROVE STUDENTS'
CONCENTRATION AND
MOTIVATION



GIVE UNIVERSITIES
MORE INFORMATION
ABOUT HOW STUDENTS
LEARN BEST



CHANGE THE WAY
PROFESSORS TEACH
ONLINE AND IN
PERSON

POTENTIAL QUESTIONS



HOW WOULD DATA FROM THIS ACADEMIC YEAR COMPARE TO LAST YEAR?



WHAT OTHER FACTORS (SUCH AS MENTAL HEALTH) HAVE AN IMPACT ON STUDENT'S ABILITY TO LEARN?



WOULD DATA FROM STUDENTS AT OTHER SCHOOLS BE CONSISTENT WITH THE DATA WE FOUND AT CU?



RECOMMENDATIONS FOR CU



Make online classes more interactive (utilize breakout rooms to create more face-to-face contact with their peers)

01

03

Check in on students who seem to be struggling with learning online and make mental health resources easier to find

02

04

Offer opportunities for online classes to have study groups in person

Compare the grades of students taking a course online vs in person to find out which one produces higher grades.

