[Final Meeting Time (Ended)](#_4ve6a9xdi0xq)

[Contact info](#_jkhtp1doevs6)

[TA/Dr.B office hours](#_8e6g7tqd20ur)

[Process record](#_v15q2tlwocqc)

**Group Information Updated:**

Congratulations, guys! The course ends, thanks for **Amreeta, Delyar, Swetha, Satyajit’s** efforts. Hope to see you in the future. (Qingxiao wrote)

[**Our presentation ppt**](https://docs.google.com/presentation/d/1aFYUbvWa7ynqGL37J8jMoFvH-EGcQRBB65jAUkH72p8/edit#slide=id.gc4b1bcffc8_0_0) **(finished)**

[Raw data](https://docs.google.com/spreadsheets/d/1WnEp5_ABY9ekLxVOPClKvAK0eZ4rCw7_7LEHJ2Y0UAc/edit#gid=1089071729): RQ & Rules & [Co-occurrence doc](https://docs.google.com/spreadsheets/d/1Joe23SeK2xiMOeevI1BkK37blVaaqx6d/edit#gid=27686575) & total raw data

[Final Report](https://docs.google.com/document/d/1aoUnwUo4ejBcvsJQZvtvlDsH41V8wpTfdTJJdf0I-rk/edit) ([sample1](http://web.engr.oregonstate.edu/~burnett/CS589empirical/CS569-CS589-case/termCaseStudy-modelDesignbutTooMuchScope.pdf), [sample2](http://web.engr.oregonstate.edu/~burnett/CS589empirical/CS569-CS589-case/termCaseStudy-sampleDesign.pdf), finished and submitted)

[Another sample to guide our writing format](https://dl.acm.org/doi/pdf/10.1145/3180155.3180241)

Our format: font 15 and Bold Arial for titles, subtitles --> font Arial 13 Bold, for textes --> font arial 12.

[HW#8 (finished and submitted)](https://docs.google.com/document/d/1hFW7ZWYMW939uQ04_gng3SrZIQcgnRY-_n_-wtUM4k4/edit)

[HW#7 (finished and submitted)](https://docs.google.com/document/d/1hFW7ZWYMW939uQ04_gng3SrZIQcgnRY-_n_-wtUM4k4/edit)

HW[#6 (finished and submitted)](https://docs.google.com/document/d/1eXnKwap8ynACGcmwV3x_EqGc6simP6wbnqJUBxDTK00/edit?usp=sharing)

[HW#5 (](https://docs.google.com/document/d/1sice5eudov10T8GssCJqg_4MUQC9jnjN5pA2MC8m_Z4/edit)[finished and submitted](https://docs.google.com/document/d/1R0RYbxdZY3MPbeqPoaMmSVs6wlksLn9hSDFt6uZud2Q/edit)[)](https://docs.google.com/document/d/1sice5eudov10T8GssCJqg_4MUQC9jnjN5pA2MC8m_Z4/edit)

[HW#4 (finished and submitted)](https://docs.google.com/document/d/1R0RYbxdZY3MPbeqPoaMmSVs6wlksLn9hSDFt6uZud2Q/edit)

[HW#3 (finished and submitted)](https://docs.google.com/document/d/1gv1uZAp2rgjkOC7pOYdXVvP3sYkoIDDG79Bv-Ai7JQk/edit)

[HW#2 (finished and submitted)](https://docs.google.com/document/d/1gv1uZAp2rgjkOC7pOYdXVvP3sYkoIDDG79Bv-Ai7JQk/edit)

[HW#1 (finished and submitted)](https://docs.google.com/document/d/1xKNcf0ly5I3JArYI0DkAwROU0rIrxPZ0YflB-ohXBSY/edit#)

The Group Whiteboard is following:

# Final Meeting Time (Ended)

**Zoom link:** [**https://oregonstate.zoom.us/j/7636783744?pwd=MnArUVlGTVlLWFJqM1pQQVdrWG5wUT09**](https://oregonstate.zoom.us/j/7636783744?pwd=MnArUVlGTVlLWFJqM1pQQVdrWG5wUT09)

# Contact info

Method: use whatsapp.

Leader - Qingxiao(541-3688297), [yuanqi@oregonstate.edu](mailto:yuanqi@oregonstate.edu)

Access - Swetha (5412432020), [jayapats@oregonstate.edu](mailto:jayapats@oregonstate.edu)

Research - Amreeta (5419085750), [chattera@oregonstate.edu](mailto:chattera@oregonstate.edu)

People - Delyar (2673552588), [tabatase@oregonstate.edu](mailto:tabatase@oregonstate.edu)

Writing - Satyajit - (541-908-9144) [kambles@oregonstate.edu](mailto:kambles@oregonstate.edu)

# TA/Dr.B office hours

MW 2pm-3:50pm

<https://tinyurl.com/MargaretBurnettZoom>

Passcode: kec3057

Instructor: Dr. Burnett, [burnett@eecs.oregonstate.edu](mailto:burnett@eecs.oregonstate.edu): Office hour

* Tuesdays, 1:30-2:50 (Pacific time) 19th jan: 12:30-1:50 pm
* Fridays, 11:30-12:50 (Pacific time)

TA: Alexandria LeClerc. Email: leclerca@oregonstate.edu

Wed 4:00pm PST - 5:00pm PST

Thur 4:00pm PST - 5:00pm PST

https://oregonstate.zoom.us/j/91550877884?pwd=NGk4b3lYQ2N2MTRxVnMrdGRCY3ZZQT09

PW: 644126

=======

To ask TA/Dr. B before Wednesday (20th Jan)

* Do we need to fill up the table for Project installment 1 or is it part of the final report?
* Is our project too similar to other projects?
* Will we be assigned additional time to discuss projects on Wednesday?

# Process record

========

| To-Do-List | who? |
| --- | --- |
| Clean up the final report (page numbers, agenda, fonts, add captions for tables and images, references …) | Qingxiao will clean up finally |
| Add database, questions from interviews | Qingxiao(Done) |
| Survey for participant validation | Delyar + Amreeta (DONE) |
| Go through all feedback and incorporate | Delyar + Amreeta (DONE) |
| Write rival theory properly | Delyar (DONE) |
| Threats to validity | Amreeta (DONE) |
| Conclusion? Further work? Add a paragraph about what feedback we incorporated. Mention our difficulties in the research. | Qingxiao(Done) |
| Clean up random transcript errors in the transcript | Don’t do anything about the original data, instead, clean up every error in this report. (Qingxiao) |
| Add details about interview and observation participants (grad/undergrad/research experience) | [Satyajit Sanjay Kamble](mailto:kambles@oregonstate.edu)(done) |
| Check if every finding / tool used has a “why is it used” | Qingxiao(Done) |
| Add more examples for co-occ matrix if time permits | [Delyar Tabatabai](mailto:tabatase@oregonstate.edu) |
| Add more figures or charts somehow if time permits | [Delyar Tabatabai](mailto:tabatase@oregonstate.edu)(DONE) |
| Triangulation | [Amreeta Chatterjee](mailto:chattera@oregonstate.edu) |

========

Final Meeting Time (PST 8-10pm Monday, 3/15/2021)

Before the meeting, finish the 1st draft of your part.

Swetha->into,Satya->method,Qingxiao+Amreeta+Delyar->result

[Final Report](https://docs.google.com/document/d/1aoUnwUo4ejBcvsJQZvtvlDsH41V8wpTfdTJJdf0I-rk/edit) discussion.

========

11th Meeting Time (PST 1-2pm Saturday, 3/13/2021)

Before the meeting, finish the 1st draft of your part.

Swetha->into,Satya->method,Qingxiao+Amreeta+Delyar->result

[Final Report](https://docs.google.com/document/d/1aoUnwUo4ejBcvsJQZvtvlDsH41V8wpTfdTJJdf0I-rk/edit) discussion.

Summary:

1. added "Another sample to guide our writing format" link in the top of the shared doc.

2. everybody may finish their own part before/on Monday's class. (2-4pm).

========

[**564 note-presentation**](https://drive.google.com/drive/folders/1VRKNCAT3uJ5pzzsk2AZSfkuInsGm17r7?usp=sharing) ,[Sample from Prior knowledge team](https://docs.google.com/document/d/1ZeAxWXasMdrBYihVFMsDlIqDsv7PX1rfO8WtPVu-Sqc/edit)(it’s a copy), [**First team ppt**](https://docs.google.com/presentation/u/1/d/15QSY8lsWL38XCCKGSKrLdsWHUzwWVJBE/edit?usp=drive_web&ouid=111455603081991513660&rtpof=true)**(as reference**

========

10th Meeting Time (PST 4-5pm Sunday, 3/7/2021)

Before the meeting, nearly finish your part in [PPT](https://docs.google.com/presentation/d/1aFYUbvWa7ynqGL37J8jMoFvH-EGcQRBB65jAUkH72p8/edit#slide=id.gc4b1bcffc8_0_0)(no need to be 100%, because we may have changes after this meeting).

Meeting content:

1.practice presentation(less than 20min)-> discussion for the presentation time changes.

2.clean up [HW#8](https://docs.google.com/document/d/1hFW7ZWYMW939uQ04_gng3SrZIQcgnRY-_n_-wtUM4k4/edit) and submit it.

3.Distribute the [Final Report](https://docs.google.com/document/d/1aoUnwUo4ejBcvsJQZvtvlDsH41V8wpTfdTJJdf0I-rk/edit) task.

========

9th Meeting Time (2/28/2021 8-9pm)

1.[HW#7(to be done)](https://docs.google.com/document/d/1hFW7ZWYMW939uQ04_gng3SrZIQcgnRY-_n_-wtUM4k4/edit), initially, use “Cross-case analysis” (list bullets->pick up evidence from [Total raw data](https://docs.google.com/spreadsheets/d/1WnEp5_ABY9ekLxVOPClKvAK0eZ4rCw7_7LEHJ2Y0UAc/edit#gid=1089071729)) and “Logic models”(I’ll share other groups’ samples, we may use the model to show our relationship to RQ & theory & evidence & triangulation).

2.discuss the [presentation](https://docs.google.com/document/d/12FEed-QA0AE5op9JRT90sOJdeN74pjJttpA46rII-xo/edit#) order/content, if we have time.

summary:

1.[HW#7](https://docs.google.com/document/d/1hFW7ZWYMW939uQ04_gng3SrZIQcgnRY-_n_-wtUM4k4/edit) Q9 format: Answer to the question->combine “code”->mention segment id->evidence/summary.

Delyar->code1,Amreeta->code2&3,Swetha->code4,Qingxiao->code5&6.

2. presentation: discuss until Satya comes back and do it in class.

========

8th Meeting Time (PST 6-7pm, Friday, 2/26/2021)

Content:

Finish [HW#7](https://docs.google.com/document/d/1hFW7ZWYMW939uQ04_gng3SrZIQcgnRY-_n_-wtUM4k4/edit), just concentrate on Q9 by following the [In the moment](https://docs.google.com/document/d/1pke0ZcZgQgsHUM2cPtb_NofDba7afUaUdVclBNOkQlk/edit#) and the book.

Summary:

We’ve revised the HW [#6](https://docs.google.com/document/d/1eXnKwap8ynACGcmwV3x_EqGc6simP6wbnqJUBxDTK00/edit?usp=sharing) and resubmit it.

Separate tasks to do [Co-occurrence doc](https://docs.google.com/spreadsheets/d/1Joe23SeK2xiMOeevI1BkK37blVaaqx6d/edit#gid=1025378608). Specifically,

1. [Coding document](https://docs.google.com/spreadsheets/d/18MBAoL6gFah9goq60M7SFPCy0Wftt3zNJXj8joLen3Y/edit#gid=0):

a. Vaishnavi Interview: Swetha does 32.

b. Amreetha Interview (65 segments, done): Dalyar does 1-32, Qingxiao does 33-65.

1. [A+E Meeting Segmentation](https://docs.google.com/spreadsheets/d/13EL8iAC7Jtd0V6xlZTW6bmVXI0gxPHEeP9h64YHvo5M/edit#gid=0): Amreeta does 32, if have time. [done]
2. [Amreeta and Vaishnavi's Interview Segmentation](https://docs.google.com/spreadsheets/d/1LCOr123SMl_fgrKgaQhZXsNv7PgmRhtst0jrNjk-u30/edit#gid=0): Amreeta does 18, if have time.

[done]

========(Grey in 2/26/2021)

[To do List](https://docs.google.com/document/d/1m1EroWvjCmDMU1dE0YscYLksJjFxyMLMTmMDlwv_8So/edit)(written by 2/24/2021)

**IRR list(for Amreeta & Satya):**

1.[Coding document](https://docs.google.com/spreadsheets/d/18MBAoL6gFah9goq60M7SFPCy0Wftt3zNJXj8joLen3Y/edit#gid=0): Vaishnavi\_Interview2(done, 32 data+65data, ), Amreeta\_Interview, Qingxiao’s Note (Note: from “Amreeta + Evie (Done- February 3rd)”,Qingxiao’s observation note from Amreeta and Vaishnavi’s interview(Done- February 8th)).

2.[Delyar’s segmentation Note](https://docs.google.com/spreadsheets/d/13EL8iAC7Jtd0V6xlZTW6bmVXI0gxPHEeP9h64YHvo5M/edit#gid=0)1: from “Amreeta + Evie (Done- February 3rd, 32 data)” (Note: observation notes with red rows, contains notes from Qingxiao)

3. [Delyar’s segmentation Note2](https://docs.google.com/spreadsheets/d/1aJiDTDvi3nIWziGR-k-tj5jS5eI39H_wCmdMSsULVU0/edit#gid=0)(added 2/24/2021): from “"Delyar’s observation note from V meeting (Done- February 5th, 18 rows)”, has combined every team member’s notes.

4. [Delyar’s segmentation Note3](https://docs.google.com/spreadsheets/d/1LCOr123SMl_fgrKgaQhZXsNv7PgmRhtst0jrNjk-u30/edit#gid=0)(added 2/24/2021, data 18): from “Amreeta and Vaishnavi's Interview Segmentation'', has combined every team member’s notes.

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**Transcripted:**

[Amreeta\_Interview1](https://docs.google.com/document/d/1zmxY39Q4MMpke4LEzlTTH_BGMJd4KXc3OKFOzNStDSg/edit)(Qingxiao), [Vaishnavi\_Interview2](https://docs.google.com/document/d/1i1sJm-ndaW5k1_sxmBeUC-FXV7oLLpMv/edit)(Swetha), [Vaishnavi](https://docs.google.com/document/d/1i1sJm-ndaW5k1_sxmBeUC-FXV7oLLpMv/edit)[&Amreeta](https://docs.google.com/document/d/1DJ6dtSdl5C6kuaRGniS2oDwsZph_tBUQmcGXKvSCRbc/edit)[\_Observations1](https://docs.google.com/document/d/1vqeul8v1Z2CwfUvVfHe7ARGTEUyxkdvp1i1zMIJquB0/edit)(Qingxiao), [Evie](https://docs.google.com/document/d/1DJ6dtSdl5C6kuaRGniS2oDwsZph_tBUQmcGXKvSCRbc/edit)[&Amreeta\_Observations2a](https://docs.google.com/document/d/1sQuoGKkHuAVXl37ddG9ijH3Ofba6pFbXaTDx-NOVUzE/edit)(Qingxiao), [Evie&Amreetai\_Observation2b](https://docs.google.com/document/d/1DJ6dtSdl5C6kuaRGniS2oDwsZph_tBUQmcGXKvSCRbc/edit)(Qingxiao).

**=======**

[A Theory of Remote Scientific Collaboration](https://www.researchgate.net/publication/253169940_A_Theory_of_Remote_Scientific_Collaboration)

**=======**

7th Meeting Time (Friday 6-7pm PST, 2/12/2021)

Zoom link: (Friday use only)

<https://oregonstate.zoom.us/j/4571557216?pwd=MWpTR05BQnFLdUw3MGhMMVBUZEVEQT09>

Password: KEC3057

Before meeting:

1.Read [**Theory discussion**](https://docs.google.com/document/d/1e6noNwS4MTssj_25Sn-o2FJSBX442U-qrU4DNZTP34c/edit) and think which one is suitable for us.

2.no need to do transcription/segmentation, our 20% data: [TRANSCRIBED\_Vaishnavi\_Interview](https://docs.google.com/document/d/1i1sJm-ndaW5k1_sxmBeUC-FXV7oLLpMv/edit)

3.think codes by yourselves.

Content:

1.decide theory/theories.([**A Theory of Remote Scientific Collaboration**](https://www.researchgate.net/publication/253169940_A_Theory_of_Remote_Scientific_Collaboration))

2.Discuss how code sets, ensure everyone understands how it works. [In the moment.](https://docs.google.com/document/d/1pke0ZcZgQgsHUM2cPtb_NofDba7afUaUdVclBNOkQlk/edit#) And [inter-rater reliability (IRR)](https://www.statisticshowto.com/inter-rater-reliability/).

3.[**HW#5(to be done)**](https://docs.google.com/document/d/1sice5eudov10T8GssCJqg_4MUQC9jnjN5pA2MC8m_Z4/edit): decides 3-5 codes together.

**=======**

6th Meeting Time (PST 6-7pm, Saturday, 2/6/2021)

Content (around 0.5-1h):

1.Discuss [**HW#4(To be done)**](https://docs.google.com/document/d/1R0RYbxdZY3MPbeqPoaMmSVs6wlksLn9hSDFt6uZud2Q/edit), double-check with Dr. B in Monday’s class.

2.The last person who submits changes must let the group know.

Google form:

<https://docs.google.com/forms/d/e/1FAIpQLSd9t3QSjdX4AKMGBDhC4Yc8DO0gCE35LMNmPv6LFx6pU-j1cA/viewform>

**=======**

5th Meeting content(12-1pm, Monday, 2/1/2021):

1. Discuss [HW#3](https://docs.google.com/document/d/1gv1uZAp2rgjkOC7pOYdXVvP3sYkoIDDG79Bv-Ai7JQk/edit) and submit it (upgrade hw2).

Note: initially, following Dr. B’s advice only, using the classmate’s comment as helpful tools.

2.The last person who submits changes must let the group know.

=======

**Fourth Meeting Time (9-10am on Tuesday,1/26/2021)**

**Meeting content:**

**Discuss**  [HW#2](https://docs.google.com/document/d/1gv1uZAp2rgjkOC7pOYdXVvP3sYkoIDDG79Bv-Ai7JQk/edit) .

Back from OH Satya:

Questions during Office Hours:

Can we reduce the number of RQ’s?

New discussions (qualitative interview questions) about today and the diagram

Overall correctness of the installment #2

Safeguarding rigor.. Are we on the right track

A few points:

1) Our RQ's are correct and she insists on keeping them separate, so that we focus on specific questions. So, no changes there.

2) The discussion we had today about qualitative questions, she likes the first 4 questions. She thought that the last 3 should be more specific in nature. She will be teaching us how to conduct interviews and ask questions. So she said we have a good start point. But, the last 3 questions can be refined.

3) In the diagram, her point was that the left side should be occupied by more qualitative factors (currently there are too many numerical factors). And the qualitative factors should point towards RQs( so her view was that RQs shouldn't be on the left part, coz its reserved for the data we would collect). After we have the correct data points pointing to the RQs. The RQs can point towards generalizations like "quality of research collab". She also asked to add "interviews" as one of the data points.(She tried to draw that in the diagram above)

**=======**

**Third Meeting Time: (6-7pm on Friday, 1/22/2021)**

meeting content:

1.Finish the hw2, the link is [HW#2](https://docs.google.com/document/d/1gv1uZAp2rgjkOC7pOYdXVvP3sYkoIDDG79Bv-Ai7JQk/edit) .

-It hasn’t been finished, we’ll discuss more in Monday's class.

2.Quiz strategy discussion.

-discuss this in Monday's class.

3.Add two more people and respond Dr.B and TA in HW1.

-done. Amreeta and her two classmates.

4.The last person who submits changes must let the group know.

5.Decide a person/ persons to double check the hw with Dr. Burnett or TA, if possible.

-Satya will do this.

=======

1/20/2021 meeting content (canceled, because finished in the class):

1.Narrow the research question.

2.The last person who submits changes must let the group know.

3.Decide a person/ persons to double check the hw with Dr. Burnett or TA.

1. Plan for the next meeting.

=======

First Meeting Time: 11am on Friday(January 15, 2021).

1/15/2021 meeting content:

1. Decide a person/ persons to double check the hw with Dr. Burnett or TA.
2. The last person who submits changes must let the group know.
3. HW1 finish.- to be double checked.
4. Decide whether the next time the meeting is fixed or flexible.

-Via whatsapp.

=======

Doodle historys:

[Doodle(3/5/2021-3/7/2021)](https://doodle.com/poll/v2ik9nzp9hs9378c), [Doodle:](https://doodle.com/poll/xh7db7grawamvy7q?utm_source=poll&utm_medium=link)(2/25-3/1/2021), [Doodle(2/8-2/14)](https://doodle.com/poll/ntackxzrzpvebuqu?utm_source=poll&utm_medium=link), [Doodle(2/6-2/10)](https://doodle.com/poll/eu82kk26fut25an4?utm_source=poll&utm_medium=link), [Doodle(1/29-2/6)](https://doodle.com/poll/fe77pty38avskp7q?utm_source=poll&utm_medium=link), [First doodle](https://doodle.com/poll/ztwf4768gdt9m5st?utm_source=poll&utm_medium=link)

HW1 draft

With your team, report the following

* A short case study name - Work/Life balance of CS students

Case study name:

Alternatives:

* Collaboration among CS researchers / students while working remotely? (How does remote work affect collaboration amongst CS students)

Population: People from this class while collaborating on the term project

* Time management/ balance between programming and life for CS students.

Population: Programmers; CS students who are taking a course related to programming (e.g. CS 381/161/539/557: Programming language..): Qingxiao has access; Delyar has access to 8 more people

* What issues CS students face during remote collaboration?

Population: CS researchers who are collaborating / people from this class while collaborating on the term project

* The effect of remote communication on teams’ code debugging and understanding the bugs

Population: Coding teams (e.g., people who are in CS 562)

* Effect of remote work on how CS students deal with academic pressure.
* Effect of remote communication on the CS student-advisor relationship.
* Have CS students become more laid-back given the remote work culture.

Shorter version: Remote collaboration among Computer Science students

RQ:

1. How frequently do CS students get to meet and spend time together for their project?
2. What kind of challenges are CS students facing while collaborating remotely?
3. How are students currently gaining skills during remote collaboration?
4. What is the effect of remote learning on CS students life elements(Hobbies, Family-Friends, Exercise, ...)?

1) What’s the “case”?

Remote collaboration.

2) What is it about this case study that makes it a case study?

The fact that this situation is currently happening with every CS student, makes it a case study.

3) Type: What type of case study are you setting out to do: exploratory, descriptive, explanatory, and/or improving? (Refers to the Week 1-2 textbook readings.)

Exploratory. The case study seems to be inclined towards an exploratory analysis. This is because we are trying to explore the effects of remote work culture on CS students' life elements. We are hoping to provide a hypothesis based on our research

4) Which team members are taking on which role's special responsibilities (refers to the lecture ppt from Week 2)?

* + Lead: Qingxiao Yuan
  + People: Seyedehdelyar Tabatabai
  + Writing: Satyajit Kamble
  + Research: Amreeta Chatterjee
  + Access: Swetha Jayapathy

5) Access (just to make sure you really really really have access): Which team members has/have access to which people/organizations you're studying?

We all have access to CS 564 students

If we need more:

Swetha - I have access to about 5 CS graduate research students at OSU

Amreeta - I have access to about 5 more CS graduate students I can reach out t

Project Installment 1

| *1.Research question* |  |
| --- | --- |
| *2.Propositions* |  |
| *3.Type of case study* |  |
| *4a. Units of analysis and units of observation.* |  |
| *4b. Data collected.* |  |
| *5. Design type.* |  |

Design Gallery Sessions Ideas:

**Saurabh Kumar:**

* · Be more specific à t’s so general about what kind of research

**Vaishnavi Rangarajan:**

* · Less meetings doesn’t mean less communication → communication channels change because some people may use **emails** or other toolsà what kind of tools we use? à emails, slack, google docs, google drive, google sheets, zoom quick chats, slack, Microsoft teams, lucid chats , …
* Meetings with only 1-2 minutes
* · Communication channels

**Rupika Dikkala:**

* Mic stops working and they start chatting→ how many times these troubles happen during meetings

**Jordan:**

* Predetermined topics in meetings,
* How often they talk about problems and solutions
* General classifications about what sort of things people talk about: problems, logistics, solutions….
* Different components of they talk about
* How much they talk about each topics
* Brand new students (team members) dynamics may be different than those who have been in meetings for years

**Wei-chen Kao:**

* How to define the efficiency of work? → asking them

Feedback 2

RQ1 -> Can be more specific.

=======

The thing gets from other team(Qingxiao notes):

From research collaboration-Remote:

1.Q3 could also be unique, because the COVID-19 is never happened in history.

2.need to set some rubric to measure the people’s feelings, such as body language and intonation.

3.trangulation: could be independent variable, and validation. (For example, our participate data is ⅔ from other classes, hence, it’s fairly unbiased and validate.)

From remote-study group:

The units of analysis could be questions.

======