Minutes of Project Group Members Meeting (Saturday 13th March 2021, 14.00-15.15)

Attendees: All group members

1. Introductions

Introducing ourselves to one another and learning more about each other.

1. Role Allocation

Discussed what our strengths and weaknesses are, what our preference is, resolving any conflicts in roles. Discussed what each role will be responsible for. Talked about supporting one another with their roles. Roles:

Josin: Team Leader (+ contact with supervisor)

Claudia: Project Manager (+ manage Microsoft Teams)

Jenny: Industry Contact (+ review research)

Chi: Researcher (+ take and upload meeting minutes)

1. Meeting Arrangements

Checking our personal timetables and arranging a time on the weekdays where we are all available to meet with the supervisor and client. Used google survey to achieve this.

1. Student Deed

Discussing when to submit the student deed and the details of the deed. Agreed to sign the deed as soon as possible.

1. Contacting Project Supervisor

Finding the contact information of our project supervisor on CANVAS. Discussed what we should write in the email.

End of meeting

Minutes of First Meeting with Project Supervisor (Thursday 18th March 2021, 13.00-13.30)

Attendees: All group Members, Project Supervisor (Ziad)

1. Introductions

Introduced ourselves to project supervisor, project supervisor introduced himself

1. Next steps after submitting student deeds

Discussed the next steps we should take, advised to view the PDF document sent to us on CANVAS (announcement title: Important Week 3 Update (March 16th 2021 12:28), but document was locked. Ziad informed us he will send an email to the subject coordinator and we should try again in a few hours.

1. Available times for weekly meetings

Discussed available times for future meetings. Ziad will email us his available time slots for the next 2 weeks after current meeting.

1. Expectations for client meeting

Discussed the importance of formal attire as a means to show our professionalism to the client, and to convey that we are taking their project seriously. Must ask questions during the first meeting, for example, on the dataset that will be provided.

1. Project Brief

Ziad informed us to read the project brief.

End of meeting

Minutes of Project Group Members Meeting (Saturday 20th March 2021, 14.00-15.30)

Attendees: All group members

1. Project Brief

* Went through the project brief
* Talked about our expectations for the project after reading

1. Potential Questions

* **To do: write up a list of questions to ask the client**
* What is prevention and what is intervention?
* How frequently should we expect the data to be updated?
* How was the data collected?
* Should we expect to use data we find by ourselves?
* What end product does the client expect?

1. Model Implementation

* Talked about potential variables
* Possibly Bayesian analysis
* Possibly simulation from a probability distribution

1. Meeting with client

* Discussed who will be writing the agenda (Jenny)
* We will be attaching the questions that the client may need time to prepare for onto the agenda
* Discussed items to be put on the agenda, decided that the client will likely lead most of the discussion in the first meeting

1. Personal group meetings

* Potentially have another group meeting after the lecture time slot on Thurs
* Use this time to discuss anything we need to implement on our project fresh out of the lecture
* Only when necessary, not necessary weekly

1. Reevaluate possible meeting times

* Use doodle to find more available timeslots for meetings
* Decided to free up more slots by watching lecture recordings

End of meeting

Minutes of Project Group Members Meeting (preparing for client meeting) (Saturday 23rd March 2021, 16.15-17.30)

Attendees: All group members

1. Decide order of introductions

* Josin
* Chi
* Claudia
* Jenny

1. Allocate questions to each group member

* Allocated an even amount of pre-meeting questions to each member
* Also decided that if we have questions as the client presents we should just ask them
* Also added further questions:
  + How frequently should we meet with the client?
  + How long does the client prefer the meetings to be?

1. Organized questions based on the agenda structure

* Spaced out the questions so that we can ask when appropriate
* Decided to see how the client would present to us the project and then ask our questions depending on the slide

1. Practice Introductions

* Said our introductions to each other
* Made sure our introductions were not too similar or boring

End of meeting

Minutes of First Client Meeting (Wednesday 23rd March 2021, 10.00-11.00)

Attendees: Marika, Ziad, Sandy, All group members

1. Introductions

Sandy is a researcher in technology and suicide prevention. He specializes in pre suicide behaviors using computer science and statistics.

1. Sandy’s Presentation

* Recorded presentation for future use
* Challenges:
  + Control hotspots
  + Data ownership
    - Suggested that we should stick to the papers and data related to the meta-analysis because data ownership is complex

1. Question & Answer

* Intervention and prevention should be regarded as the same thing
* Cannot track repeated attempts, so each should be regarded as an individual observation/suicide attempt
* No need to consider personal suicides i.e. overdose, gunshots etc
* Sandy interested in estimation (hierarchical Bayesian, informed priors) and not how effective the intervention is, rather what will happen next
* Ignore firearms restrictions in the papers/meta-analysis
* Crisis: a brief period that is high stress and high risk

1. Frequency of meetings

* Sandy prefers meeting weekly for now
* Sandy prefers emailing for communication
* **To do: set up doodle poll for potential next meeting times**

1. Our work

* **To do: read both meta-analysis**
* We discussed finishing the model at least a month or two before submission for time to work on the interface
* Discuss the need to use the rates given in the analysis, likely going to have to create a probability distribution to simulate data
* Research ourselves and find all the papers in the meta-analysis

End of meeting

Minutes of Project Group Members Meeting (Saturday 27th March 2021, 12.00-1.30)

Attendees: All

1. Discuss meta-analysis

Questions:

* Should we include all the intervention methods
* What do we do with intervention methods that don’t have much data or have not been implemented in many places
* Some very poor rates i.e. Issac and Bennett (2005) has a post intervention period of only 0.4 – how is this supposed to prove anything?

Discuss meta-analysis with Ziad the next meeting

1. Discuss meeting with Jeremy time

Decided to select Friday April 2nd 13.00-13.30 on the doodle poll he sent our

1. Splitting up papers

* Decided that of the 18 hotspots in the pirkis meta-analysis, we split the papers mentioned in table 1 in a 1-2-3 system
* Claudia takes 1,4,7,10,13,16
* Josin takes 2,5,8,11,14,17
* Chi takes 3,6,9,12,15,18
* Jenny will do the remaining papers from the evidence meta-analysis (many of the papers are similar to pirkis references so she will do the ones that are different)
* **To do: read research papers and try and gather data**

End of meeting

Minutes of Meeting with Project Supervisor (Monday 29th March 2021, 15.00-15.30)

Attendees: Ziad, All group members

1. Discuss Issues with Ziad

Brought up some questions we talked about in our last meeting with Ziad.

**To do: come up with a way to educate Ziad about our progress and maximize our time in these group meetings**

1. Preparing a plan

First collect all the data before thinking about how to implement the model or build an interface. Ziad suggests that if the data we find doesn’t fit the client’s needs, we may have to alter the research question a little bit and see if the client is still interested. Since this project involves very little data and is unlikely to have raw data points for us to access, we may have to look into this down the line or discuss this with the client and see what he thinks.

1. Readings

Tell Ziad about the papers we have looked into, constantly update him at every meeting or on teams so that he knows the most important things and is able to be on the same page. Best to keep a summary of each reading.

**To do: Collect as much data as possible from the papers**

1. Tips from Ziad

* Keep code on github, everything else on teams
* Understand the project first
* Still in the early stages of the project, don’t think too far ahead

End of meeting

Minutes of First Client Meeting (Wednesday 23rd March 2021, 10.00-11.00)

Attendees: Sandy, All group members

1. Questions

* Wants a model that also includes the outliers and handles them well
* Find some mathematical model that can reflect this data well
* Given a link to access all the papers in the meta analysis
* Blue lights, even with only 2 studies, is enough to include
* But we should show the methods with little studies will include a lot of variability
* Need to be able to incorporate updates in the model
* Need to be able to allow more data to be input into the model later on

1. Next meeting

We will skip meeting next week so we have time to gather data

To do: Add Sandy to teams so he can also see our progress

To do: set up meeting for Friday 16th April (after the easter break) 3-4pm

End of meeting

Minutes of Project Group Members Meeting (Monday 5th April 2021, 17.00-18.00)

Attendees: All group members

1. Discuss Research Papers

* Told each other about the research papers we looked at
* Potential issues with papers and the information or lack of in them
* Issues on raw data
  + How do we combine the data
  + Each paper reports data in different ways
  + Decided to collect as much yearly data as we can for now

1. Next steps

**To do:**

* **Find any yearly data in research papers from meta-analysis**
* **Look at the references of the research papers**
* **Look for data in these related papers**

End of meeting

Meeting with Jeremy Friday 9th April 13.00-13.30

Attendees: Jeremy, all group members

1. Jeremy intro

* Extra support for Ziad
* Can ask him more questions
* Background in mathematics and statistics
* Consultation on 2pm Fridays, zoom link LMS

1. Our own introductions
2. Discussing our project with Jeremy

* Telling Jeremy about our project and letting him know our concerns
* **To do**: Told us to look into AURIN for more datasets
* Suggested approaches:
  + Cross validation
  + Look into the literature and see what they use
  + Maybe even LOOCV
* Our approach will mainly depend on whether we can or cannot find data

End of meeting

Meeting with Ziad Friday 9th April 15.00-15.30

Attendees: All group members, Ziad

1. Show ziad the data from the papers

* Ziad’s suggestions: get all the data first before deciding how to format
* We need to do some research on what people with similar data did the work
* When we have a small dataset, we need to look for how people dealt with this in their own research

1. Literature review

* **To do:** 
  + Talk about the challenges of getting data
  + Talk about anything interesting we find during the review
  + We want to know what people did in the papers, maybe implementing their strategies in their own methods
  + Any changes to their solutions – one that would potentially fit our problem

1. Should we also include extra information in the studies, i.e. not the ones in the meta-analysis

* Look for anything in the literature that is related to our problem that can give us more data
* Check the references as well
* **To do**: send Ziad all the data we have gathered

End of meeting

Meeting with Sandy April 16th 15.00-16.00

Attendees: Sandy, all group members

1. Showing the data we have gathered so far

* The features we must consider are type of intervention, type of hotspot and height of the fencing
* Also the number of years pre and post intervention
* Inconsistency in the data – how do we handle it?
  + Referring to Bennewith 2011
  + Add in the raw values and ignore the percentages for now
  + South Korean study has station years which is not present in other studies

1. Discussing how to handle aggregate data

* Decide later, focus on individual data first
* May be outside the scope of the project to implement an aggregated dataset

1. Poisson model discussion

* Sandy thinks this might be a good approach as all the meta-analysis papers talk about it
* The variance equaling the mean doesn’t make sense in our context though
* The challenge is to determine the variance of the poisson model if we were to use this approach
* To do: research the model and finalize the data

1. Set up next meeting: 3-4pm Friday next week April 23rd

End of meeting

Meeting with Sandy April 23rd 15.00-16.00

Attendees: Sandy, Ziad, all members

1. Going through our understanding of the question

* Making sure we are all on the same page in terms of our understanding
* Make sure the client is what we want
* We are not trying to assess anything
* We are trying to estimate
* Consider only estimation
* Important

1. Coming up with a proposal

* **To do**: proposal
* Weakness and strengths of each challenge
* Very important to list both
* What are the challenges of the project

1. Research

* Focus on Bayesian methods and hierarchical models as well
* Look for meta analysis of incidence rate data in the presence of zero events
  + **To do**: Look for this paper
  + They are university of Melbourne researchers
  + **To do**: contact Jeremy about these papers

1. South Korean paper discussion

* Station months should be defined as the number of stations times the number of months
* There is some grey area
* Between 2002 – 2005 there is some uncertainty
* Ziad suggests taking these out
* Perhaps use a separate model

**To do** : send sandy a list of papers we can’t access

**To do**: email him in two weeks, bi-weekly meetings are good enough

End of meeting

Meeting with Ziad April 29th 15.00-16.00

Attendees: ziad, all group members

1. Discuss how to approach the problem

* Remind us to have literature evidence
* Anything we do we must have some sort of evidence backing it
* Cannot just come up with our own method if there is no evidence

1. Our potential two dataset approach

* Ziad says go ahead and try and do this first
* The dataset is important, make sure we do end up with some dataset
* Having both and then choosing our methods are ok

1. Things we are thinking of research:

* Hierarchical Bayesian
* Poisson
* Lasso or ridge regularization methods
* Linear Bayesian model
* Linear model
* Resampling and bootstrap methods

**To do**: Research these problems, do the two datasets

End of meeting

Meeting with Group April 30th 14.00-15.00

1. How to approach the problem

* Perhaps we should focus on the dataset first
* We need two datasets we think
* Because we don’t have a lot of data, we should put them all together and identify all the common dataset

1. Aggregated dataset discussion

* Include all the studies in one
* Then include everything that is common between them
* Must include the key features
* Aggregated dataset just needs to include all the data, not by year or by time
* At the same time, if there is yearly data for that paper, just append all the data together first
* **To do**: Jenny work on this dataset

1. Yearly dataset discussion

* Yearly dataset
* Pretty much include data that has yearly data
* Try to find as much relevant information from all the papers and references if possible
* See if there was any yearly data we missed
* **To do:** All work on this dataset

**To do**: set up two datasets, one that is aggregated and one that is yearly data

End of meeting

Meeting with Client May 7th 15.00-16.00

Attendees: Client, all team members

1. Discuss our aggregated dataset and yearly dataset

* Telling the client about how we will approach the dataset
* We are planning to create two datasets so that we can explore approaches that require different datasets
* Explaining difference of datasets
* Explaining why we decided to create two datasets

1. Discuss our research, what we found that works and what doesn’t

* So far we have considered some Bayesian models
* Variants of Poisson models
* Looked into regularization methods
* Looked into hierarchical Bayesian models

1. Client’s thoughts and queries

* Ok with this method
* As long as both datasets include the important features
* **To do**: create the dataset, show the client what we end up with

End of meeting

Meeting with Ziad May 14th 15.00-16.00

Attendees: Ziad, all team members

1. Discussing the aggregated dataset approach and yearly dataset approach

* Ziad is ok with this as long as we can find the relevant information
* Make sure we can create datasets with the relevant information

1. Discussing our research so far

* Ziad suggests looking into time series
* Join point regression / segmented regression
* **To do**: Research and literature review join point regression
* Ziad says it’s fine to include multiple models since we don’t know what model we are planning to use yet
* But need to have literature support

1. Discussing our report and how different our project may be to others

* Ziad says we know our project the best, so we should structure the report accordingly
* The project spec is only a guideline for how to do the report – we don’t have to follow it exactly
* We need to include all the relevant information though
* Need to show that we have done work
* Need to show that we have approached the problem the best we can
* As long as we can include some sort of data analysis
* And also explain how we created the datasets

End of meeting

Meeting with Sandy May 21st 15.00-16.00

Attendees: Sandy, all 4 members

1. Update

* Showing datasets to Sandy
* He’s happy with how it looks
* Happy with our progress

1. Next steps

* Discussing that we will focus on the presentation and report and update him as we go
* Discussing exam period soon, so we will have to postpone some meetings
* Discussing the potential methods, but we haven’t really decided yet
* More to update next meeting

End of meeting

Meeting with Ziad May 28th 16.00-17.00

1. Discussing the paper jeremy sent us

* **To do**: read and fully understand the paper
* Look into the dynamic simulation method – maybe we can use this to simulate data and generate more

1. Discussing segmented regression

* Ziad thinks our data looks like time series data
* Maybe use one for pre intervention and one for post-intervention
* Perhaps we take each dataset separately
* Time series before and after
* **To do**: research this method as well and discuss with Ziad

1. How should we solve the problem?

* Can we simulate data for numbers using the mean and standard deviation
* So we can get simulated yearly data and combine it with the yearly data that we actually have
* Perhaps research simulation methods on top of other research
* Ziad will discuss with Jeremy and get back to us on this

End of meeting

Meeting with Sandy June 4th 15.00-16.00

1. Discussing what we have decided to use

* Poisson model with LASSO
* Segmented regression
* Bayesian models
* Also informed him that we will likely try to simulate data with the Stella Architect framework
  + He is ok with it, but he is not familiar with it and tells us that if we do simulate data, we must have the key features included
  + i.e. hotspot, pre intervention, post intervention etc.

1. Discussed what we will be including in the report

* Any confidential things we shouldn’t include - None
* Anything about Black Dog we must include
  + Talk about the mission of black dog and what they do
  + **To do:** explore black dog’s website and their mission statement
* Anything else he wants us to include in the report or presentation:
  + Should be all good

1. Discussed any issues he finds with the methods

* He has no issues, happy for us to try them

1. Setting up the next meeting for after the semester break (end of July)

* Sandy happy for us to email him around then to set up a meeting
* **To do**: set a reminder late July to set up our next meeting

End of meeting

Meeting with Group June 8th 14.00-15.00

1. Discuss final report

* Discuss the main contents we need, which models we will finally choose to explore since we don’t know for sure yet
* Will include:
  + Bayesian methods
  + Poisson model with LASSO
  + Segmented regression
  + Also possible simulation method from STELLA ARCHITECT

1. Discuss presentation

* Probably meet up and record together over zoom
* Try and meet the time limit, we don’t want to go overtime

1. Allocate who does what

* Josin: introduction to challenges
* Jenny: exploratory data analysis to Bayesian models
* Chi: Poisson regression model, related literature
* Claudia: segmented regression and conclusion

**To do**: finish both presentation and report

End of meeting

Meeting with Ziad June 11th 16.00-17.00

1. Updating Ziad on progress

* Ziad suggests we could perhaps ask for an extension because of our special case of no data
* Suggests that we don’t have to follow the specification exactly since our project is slightly different
* We know our project the best, so we should be the most informed about how to write the report

1. Presentation

* Remember to keep yourself under the time limit
* And submit the presentation on time

1. Nothing else to add, just remember to submit everything on time

End of meeting

Meeting with Client July 30th 16.00-17.00

Attendees: Client, ziad, all 4 members

1. First meeting back

* Discussed our progress over the semester
* Discussed the video we have done and sent to Sandy
* Sandy’s comments: none, it’s really good
* Happy with the methods and progress that we have done
* Happy to continue

1. Discuss our next steps

* What we will try to do and how we will do it
* **To do**: try and experiment and show sandy some results in the next month
* Organizing our schedules and setting up bi-weekly meetings once again

1. Any new things client wanted to add

* No, just continue with what our research had been on
* Nothing new to add
* Same problem as before

End of meeting

Meeting with group August 7th 14.00-15.00

Attendees: all team members

1. Discuss what we will do now

* Pursue what we planned
* Chi – poisson model, Bayesian model
* Claudia – segmented regression
* Discuss any new findings
* Organize our own schedules, plan our team meetings

1. Stella architect

* Get license, try and do some simulations
* Try and see if our simulated data can work
* Try and decide if we will pursue this path
* **To do**: Find out if we can use the stella architect data simulations

1. Any other comments

* Happy to be back
* Keep working hard everyone

End of meeting

Meeting with Ziad August 12th 16.00-17.00

1. Discuss our stella architect data simulation results

* Discussing our issues with stella architect data
* Does not include the key features
* Not sure if we should be using it
* Ziad suggests we can look more into the simulation model
* See if we can simulate the key features by adding a parameter
* Maybe simulate lots of data sets first to make sure we have something we can use
* But he says it is up to us
* We need to get together and discuss

1. Discuss what our next steps and our plan

* What we are trying to do next
* What results we are planning to have
* Should we spend more time working on the data or just pursue the models – Ziad thinks we should try all our models first before doing anything else

**To do**: set up bi weekly meetings with Ziad, same time every Thursday

End of meeting

Meeting with client August 20th 15.00-16.00

Attendees: client, all 4 members

1. Discussing stella architect model

* Model results
* What data we have now
* Key complication is it is missing some important features
* We can’t add parameters into the model
* So we can’t generate data for these features
* Client says don’t use it, must include the key features otherwise we shouldn’t even consider it

1. Discussing next step

* Ruling out all models that would require lots of data
* Will still try Bayesian method and poisson method
* But unlikely to have results
* Also segmented regression, but probably just for the railways

End of meeting

Meeting with Ziad August 26th 16.00-17.00

Attendees: Ziad, all group members

1. Progress update

* Tell him about stella architect
* No data still
* Will go on and try and get some results

1. Ziad’s concerns

* We need to start thinking about the report and presentation
* We are a little behind in terms of results
* Not much to show
* Still stuck on the same issues
* Need to have a dataset now
* And decide which to use
* Make a decision as a team and tell him what the decision is

End of meeting

Meeting with Client Friday 3rd September 15.00-15.30

Attendees: all 4 members, Sandy

1. Show client some results – Segmented regression

* **To do**: continue working on segmented regression

1. Show client some results – Bayesian

* **To do**: continue working on Bayesian results

1. Next meeting will be set up when we have something new to update the client on, likely in 3 weeks time

**To do:** set up next meeting

End of meeting

Meeting with Ziad Thursday 9th September

Attendees: Ziad, all team members

1. Showing ziad our results

* Bayesian results
* Poisson results
* Segmented regression results
* Interface work

1. Ziad comments

* Results are ok but we must talk about the complications in the report
* Since we have not found anything very useful
* Need to try and use some sort of method

1. Ziad suggestions

* Start working on the report and presentation
* Those are important for final marks
* Need to show
* You have done work

To do: start presentation and report work

End of meeting

Meeting with Client Friday 24th September 15.00-16.00

Attendees: all team members, Sandy

1. Discussing our results so far

* Bayesian results: no good
* Poisson model results: no good
* Segmented regression results: client says it isn’t exactly what he is looking for because it assumes a change in the number of suicides after an intervention is place

1. Complications

* We may need to find another method, but we are running out of time
* Not sure, at this rate, if we will find a solution at all
* Client understands, says we should try to work on the report as well

1. Interface progress

* Showing the front end progress
* How we envisioned it
* Showing where things will be
* What diagrams we will show

1. Client’s method

* IRR simulation with the IRR’s from meta-analysis, then performing inference on that simulated data
* We discuss our uncertainty with this method
* Since there is unlikely to be literature
* To do: We will try finding literature for this

End of meeting

Meeting with Ziad Thursday 30th September 2021, 16.00-17.00

Attendees: All group members, Ziad

1. Progress report

* What we’ve done so far: still trying to find a way to deal with the lack of data since our previous methods haven’t worked

1. Discussing sandy’s method (generating variance and mean from IRR)

* Ziad thinks we don’t have enough time
* Also it doesn’t make too much sense
* We are assuming too much about the distribution
* We need more research on this, which we don’t have time for – time constraint

1. Reminder of report and video

* Ziad suggests that we should focus on this
* Focus on talking about why we have not been able to implement these methods, we tried and due to the data constraints, we couldn’t find a working solution
* We should try and work in parallel (2 focus on report and 2 focus on resampling) if we can do that
* Must focus on the report and video because that is where we are assessed on - no point doing good work if we cannot report on it

End of meeting

Meeting with Jeremy 1st October 2021, 11.00-12.00

Attendees: All 4 members, Jeremy (consult session)

1. Discussed sampling methods

* LOO sampling
* Bootstrapping

1. Discussed limitations about these methods and whether there is enough time

* Need literature to back this up
* Though we don’t really have time to do it
* We must have literature though please remember

1. Jeremy’s advice

* Don’t do it if there is no literature
* Try but focus on the report, it is super important that we produce a good report

**To do:** Jenny explore bootstrapping and sampling methods

**To do:** Chi and Claudia research and write the report

**To do**: Josin finish working on the interface

End of meeting

Minutes of Meeting with Sandy (Friday 8th October 2021, 16.00-17.00)

Attendees: All team members, Sandy

1. Talking about leave one out sampling/bootstrapping

* Sharing what was discussed with Jeremy and Ziad about using these sampling methods to generate data
* No time to find literature with the given time constraints
* Another challenge – majority of the hotspots are jumping from height and majority of the interventions are physical barriers
* Showing sandy R analysis – grouping by hotspots and intervention types

1. Discussing the IRR from the Pirkis paper

* Dummy variable for pre or post intervention
* Used their parameter estimate (the model estimate) as their incidence rate ratio

1. Client’s needs

* He’s happy with resampling and segmented regression, include the uncertainty for those ones (i.e. bridge and physical barriers, railways)
* **Wants us to try and incorporate restriction height**
* The ones that we don’t have enough data, we just need a point estimate – put a note that we don’t have enough information to calculate the uncertainty (i.e. the distribution)

1. Combining two studies i.e. same hotspot/physical barriers from two different places

* Weighted average of the means
* Question: How can we get the confidence interval for the weighted average? Something to think about for the ones where we don’t have enough data for

1. Solutions

* Group as big as possible – i.e. just intervention type
  + Suggests we should group by suicide method i.e. jumping from height
* For the ones we can resample, go ahead, for the ones that we can’t get a point estimate and say we don’t have enough information to resample – just take a weighted average for these points
* Whatever we choose, as long as we can justify it, we can do it – we can choose

End of meeting

Meeting with Group October 15th 15.00-17.00

Attendees: All group members

1. Discussing final report and presentation

* What are our finalized approaches
* What are the final results
* What should we do now, to make sure we finish on time?

1. Finalized interface

* What the final interface will look like
* Show IRR Bootstrapped results
* Show weighted average results for not enough
* Show Segmented regression graphs

1. Finalized results

* We will be using these bootstrapped samples as our final results
* Should also talk about the failed methods
* Go into more detail in the final report rather than the presentation

1. Structured report and slides

* Including the first couple of slides in the powerpoint
* Include some repeated talking points but try not to talk too much about it
* Split the work:
* Chi: intro + key challenges
* Claudia: Segmented regression + literature review
* Josin: Interface + Conclusion
* Jenny: bootstrapped irr samples

**To do**: finish the results

**To do**: finish the interface

**To do**: record presentation and then combine the videos

End of meeting

Meeting with Ziad Thursday Oct 28th 17.00-18.00

Attendees: ziad, all 4 team members

1. Showing ziad the interface

* Ziad asking questions about the interface
* What the buttons do
* How the models work
* Is the result what the client is looking for

1. Showing ziad the results – bootstrapping

* Explaining the results to ziad
* Explaining how the meta-analysis defined the incidence rate ratios

1. How do we do model validation

* Take out some points from the sampling and then put aside say 3 studies
* And then generate histograms for the others
* And use the 3 studies to test
* Suggests that we should have validation in the report and the analysis
* But it doesn’t mean that we will fail if we don’t have it
* But the most important part is that we have done a solid analysis with reasoning, rationale and things that back up our methods
* Having a validation that is negative is better than not having a validation at all

End of meeting