Meeting Minutes 1

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| Subject: | COMP90051 Statistical Machine Learning |
| Group name/ identifier | Team8 |
| Meeting Location, Date & Time | Online Zoom Meeting  22-03-2021 8.00 – 9.30 pm |
| Group members present | All members: Erya Wen, Haobo Wang, Zixun Wu |
| Apologies |  |

# Actions from previous meetings

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| **Task** | **Who is responsible** | **Deadline** |
| Read the specification of Project 1 | All members | 22-03-2021 |
| Register on Kaggle and download the required data set | All members | 22-03-2021 |
| Create a git repository and ensure all member are clone | All members | 22-03-2021 |
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# Items discussed and decisions made

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| **Item** | **Decision (if applicable)** |
| Define the project problem which is a link prediction on undirected graph |  |
| Discuss how to process the raw data set | To find all combination of co-author for each line and save as undirected weighted graph |
| Discuss the workflow to solve the problem | (i). Extract negative samples  (ii). Feature engineering  (iii.) Select model to train  (iv). Method to evaluate |
| Discuss the possible way to do negative sampling | Random sampling, node embedding auto sampling. And read paper to find more method |
| Discuss the possible machine learning models | (i). Basic machine learning  (ii). Deep neural network |

# Agreed actions from this meeting

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| **Task** | **Who is responsible** | **Deadline** |
| Finish the first Meeting minutes | All members | 23-03-2021 |
| Finish the process the raw data set and push to Github | Erya Wen | 23-03-2021 |
| Focus on experimenting with basic feature engineering and machine learning model | Haobo Wang, Zixun Wu | 05-04-2021 |
| Focus on experimenting with node embedding and deep neural network | Zixun Wu, Erya Wen | 05-04-2021 |
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# Next meeting

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| Location | Online Zoom Meeting |
| Date & Time | 05-04-2021 8.00 pm |
| Goals | Discuss our own process of the project and our finding.  Combine the idea to find the current best approach and decide further experiment steps |