Meeting Minutes 2

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| Subject: | COMP90051 Statistical Machine Learning |
| Group name/ identifier | Team8 |
| Meeting Location, Date & Time | Online Zoom Meeting  05-04-2021 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** |
| Basic feature engineering and machine learning model tryout | Haobo Wang, Zixun Wu | 05-04-2021 |
| Node embedding and deep neural network tryout | Zixun Wu, Erya Wen | 05-04-2021 |
| Upload predictions to Kaggle | Zixun Wu | 04-04-2021 |
| Upload the current complete method to Github | All members | 06-04-2021 |
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# Items discussed and decisions made

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| **Item** | **Decision (if applicable)** |
| Discuss the problem current we faced | (i). Deep neural network needs to improve  (ii). Model evaluation method needs to improve  (iii) pretty poor performance of graph embedding(node2vec) |
| Discuss the place we can modify and tasks we haven’t tryout | (i). Sampling strategy  (ii). Feature engineering  (iii.) Try different models  (iv). grid search to turn the parameters  (v). Node embedding result is unexpected. Further exploration need be done |
| Discuss how to do better model evaluation | (i). Split training and validation dataset  (ii). …. |
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# Agreed actions from this meeting

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| **Task** | **Who is responsible** | **Deadline** |
| Finish the second Meeting minutes | All members | 05-04-2021 |
| Do model optimization including model selection and parameter turning | Haobo Wang | 09-04-2021 |
| Explore more features can be used and do feature selection. Try sampling strategy | Erya Wen | 09-04-2021 |
| Modify the node embedding method and deep neural network. Try sampling strategy | Zixun Wu | 09-04-2021 |
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# Next meeting

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| Location | Online Zoom Meeting |
| Date & Time | 09-04-2021 10.00 pm |
| Goals | Select the best current model  Start draft the report |