

DVAM – Final Project - Group Signing Sheet - Group Number: 9

INSTRUCTIONS

Each group should fill in this sheet, sign it and submit it in PDF format file with your Final Project assessment material on GitHub.

The group is to agree on the % of the total effort put in by each of the group members to develop the coursework which should sum up to 100%. Each member must sign to show they agree to the % of total effort and the sheet must be handed in together with the Final Project.

NO MARKS will be issued until we have this SIGNED COPY.

PRINT NAME AND STUDENT ID NUMBER	SIGNATURE	CONTRIBUTION TO PROJECT	% TOTAL EFFORT
古思莹 2501212924	古思莹	对数据进行预处理，包括检测缺失值、处理缺失值、区分数值型与分类型特征、分类变量编码以及划分训练集与测试集；采用XGBoost模型预测核心结构参数对吸附性能的作用	25%
杨晨 2501212918	杨晨	分析各属性之间相关性，采用随机森林模型建立回归模型，找到对吸附性影响最大的几大属性	25%
吴晓倩 2501212934	吴晓倩	分析XGboost模型代码并撰写报告，明确空隙率与 pld 为核心特征及关键作用机制，提供 MOF 结构优化与筛选建议。整合排版两部分报告，进行作业提交。	25%
白亚冉 2501212920	白亚冉	分析随机森林模型8幅关键图表，揭示void_fraction和pld的非线性瓶颈效应，并解释物理机制如扩散限制；结合代码与图表内容进行报告框架设计、内容迭代和撰写	25%
Total:			100% (**)

DECLARATION 1: We agree that the above information genuinely reflects the effort put in by group members and we **WISH / DO NOT WISH** (circulate as appropriate) marks to be allocated equally. (**)

NOTE: Unless indicated otherwise, all marks will be allocated equally. In case of any dispute on group contribution/mark allocation, the course leader will be the final arbiter.

DECLARATION 2: By submitting this coursework and signing this document, each member of the group agrees with the following statements:

1. I declare that the work I have submitted for individual assessment OR the work I have contributed to a group assessment is entirely my own. I have NOT taken the ideas, writings or inventions of another person and used these as if they were my own. My submission or my contribution to a group submission is expressed in my own words. Any uses made within this work of the ideas, writings or inventions of others, or of any existing sources of information (books, journals, websites, etc.) are properly acknowledged and listed in the references and/or acknowledgements section.
2. I confirm that I have read, understood and followed the University's Regulations on plagiarism as published on the University's website and that I am aware of the penalties that I will face should I not adhere to the University Regulations.
3. I confirm that I have read, understood and avoided the different types of plagiarism explained in the University guidance on Academic Integrity and Plagiarism.

Please refer to the student handbook on notes on plagiarism. We have ZERO tolerance for plagiarism and collusion. All cases of detected plagiarism and/or collusion will be reported to the disciplinary committee for consideration.

(**) In case students DO NOT WISH marks to be allocated equally the calculation of each group member will be based on the % effort added to the table above. For instance, suppose a group formed by 3 students entered on the table above (remember contributions must sum up to 100%):

Student 1 = 60%

Student 2 = 20%

Student 3 = 20%

And suppose their Final Project group mark was 75 marks.

Student 1 final mark will be 75 marks.

Student 2 final mark will be 25 marks.

Student 3 final mark will be 25 marks.