大作业要求

2020-11-19

课题任务：这个课题的目标是对心电数据（ECG）进行分类，尽可能的将所有数据分类正确，需要至少对比三种方法的效果（不同的 deep learning 网络只算一种方法，需要至少再包含两种传统方法，推荐使用课上所学方法）。

报告中需要包含的内容：

1. 数据预处理的流程
2. 用于分类的每种方法的介绍
3. 如何利用模型选择方法（例如 AIC, BIC 或交叉验证等方法）去找到好的模型
4. 三种方法的实验结果与最后结论
5. 报告长度没有硬性要求，中英文报告均可。推荐长度英文 10 号字体单栏 10 页。
6. 课题代码需要提交，另外需要提供运行代码的简单说明，放在 readme.txt 中。
7. 模型结果需要在 Kaggle 上进行测试，具体细节见 Kaggle。

Kaggle 结果提交截止日期: 2012 年 1 月 3 日 24 时
报告提交截止日期: 2021 年 1 月 6 日 24 时

Project Requirement

2020-11-19

Task: The objective of the project is to find a good model for classifying ECG data. It is required that at least three classification methods (All deep learning models belongs to one methods, two other methods are required, highly recommend the methods which are mentioned in the class) should be used and performance comparisons between the methods should also be provided.

Report: The report should cover the following contents:

1. The procedure of data processing
2. Introduction to the methods used for classification
3. How to employ model selection methods (e.g. AIC, BIC, cross validation) to find good models
4. Experiment results on three methods and conclusions
5. The length of the project report has no hard limitations. The report can be written in Chinese or English. A recommended length is 10 pages for one column if you write your report in latex with 10pt font size in English.
6. The codes for your submissions are required for the project. Please also provide the scripts or instructions to run your codes in a readme.txt.
7. The results need to be test on Kaggle, and more details are illustrated on Kaggle.

Kaggle Submission Deadline: January 3rd 24:00, 2021
Report Submission Deadline: January 6th 24:00, 2021