

# COMP90051 Statistical Machine Learning

## Semester 2 2022

### Assignment 2 feedback for Chi Zhang (1067750)

Criterion	Available marks	Your mark
<b>Report</b>		
Critical analysis	8	7.6
Clarity and structure	5	4.5
Total score	13	12.1
<b>Kaggle</b>		
Private test score		0.52341
Rank in class		19
Total score	12	10.8
<b>Adjustments</b>		
Late penalty (if applicable)		0
Other adjustments		0
<b>Overall mark for Assignment 2</b>	<b>25</b>	<b>22.9</b>

#### Personal feedback

Good understanding of the nature of data and the features with appropriate pre-processing. However, more efforts could be given on engineering new-features (e.g., by discovering the latent embedded relationships of "feature-feature" or "label-feature")

Good attempts to critically engage with the problem and build an argument.

All arguments are logical and thoroughly supported by evidences (e.g., scores of all methods are given inside a table)

Theoretical properties of methods are well-understood and linked to the practical situation.

Its good to see that you provide in-depth analyses of the performances of the main methods as well as the alternatives

and good reasonings to justify the preference to main method(s) over the alternatives

Model selection and HP tuning (e.g., threshold tuning, ensemble learning, kFold CV) have been performed rigourously

Appreciate the efforts on "recognising and reducing the overfitting issues with an illustration of a graph"

Well done!

The report is easier to follow and read. Terminologies are properly introduced with citations. Overall structure is good.

However, the quality of writing could be enhanced (texts could be reduced) by proof-reading.

### **More information**

Have further questions about your mark? Please use Piazza (<https://piazza.com/class/l5smeyz7erk5v1>) to write a private message to the teaching staff, outlining your query.