

# Review of: "Academic Performance Prediction Based on Convolutional Neural Networks and IRT Parameters as RGB Images"

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Potential competing interests: No potential competing interests to declare.

1. The acronym "IRT" first appears on page 4 and should be defined.
2. On page 7, "the equation below describes the IRT of 3 parameters", it's hard for the reader to understand those three parameters.
3. Is the RGB three-channel image derived from three parameters?
4. On page 9, the equation of all metrics used in this study should be described.
5. On page 11, "The size of the RGB matrix depends on the number of correct answers to the questions. Different-sized images are created based on the number of correct answers.", the sizes of input images for a CNN model need to be unified. Do images of different sizes create different prediction models?
6. The performance of the academic performance prediction model should be described in detail.
7. Different prediction models should be built to highlight the advantages of the method.