

**CRUNCH Seminars at Brown, Division of Applied Mathematics**

**Friday - September 4, 2020**

**How to Deal with Imbalanced Dataset?**

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**In this talk, I will summarize the techniques used to handle the imbalanced data in the machine learning, such as oversampling, mixup and manifold mixup. I will also give an example of using oversampling and mixup to the imbalanced patient data and show how it improves the performance of the neural network in predicting the blood glucose levels .**