

Colloquium

Applying transfer learning on medical image classification

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時間：107 年 2 月 27 日(二) 15 : 30

地點：應用數學系多媒體教室（理408 室）

摘要：

In this talk, we introduce a practical case on medical image classification of using transfer learning. The main idea purpose of transfer learning is using learned-knowledge to solve new problems for better performance or less time consuming.

Inception is based on data from the large image database, ImageNet, to train models, which is a pre-trained CNN model provided by Google. Based on the inception v3 model, we extracted the characteristic from the spinal X-ray image of the spinal cord and added additional hidden layers for training to distinguish the spinal cord for compressive fractures.