Project Proposal: Image recognition of Egyptian hieroglyphs

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Domain: Egypt has many ancient historical sites that contain a great deal of hieroglyphic writing much of which has not been translated. Machine learning could be put to use to classify images of these hieroglyphs and eventually leading to the possibility of automated translations.

This project will implement a deep learning model that will be trained on a set of 4210 images of hieroglyphs representing 171 classes. Some classes are under poorly represented and may be dropped to simplify the problem.

An MPV will take an input image and return a class the model thinks is most likely to be images class

Data			
	Type	**Description**	**Use for Model**
Subset of 4210 images of hieroglyphs	PNG	Individual images of hieroglyphs	Y
Remaining images used for testing the model	PNG	Individual images of hieroglyphs	N