

▽ giza: A recipe for AI languages

Arash Abadpour - arash@abadpour.com

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Abstract

In this paper, we discuss the Mathematics of building AI systems in Linux, more specifically, for Machine Vision. We describe the general challenge of converting the description of an AI operation into a human-readable machine script. The main contribution of this paper is a mathematical framework for building an AI language to develop the script. We use Vancouver Watching [?] as an example AI problem and discuss integrating it with AWS SageMaker [?] for training and development and AWS Batch [?] for inference. We discuss API access to run YOLO [?] object detection models on the stream images captured by traffic cameras in Downtown Vancouver.

1 Problem Definition

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References