PoseNet

INTRODUCTION

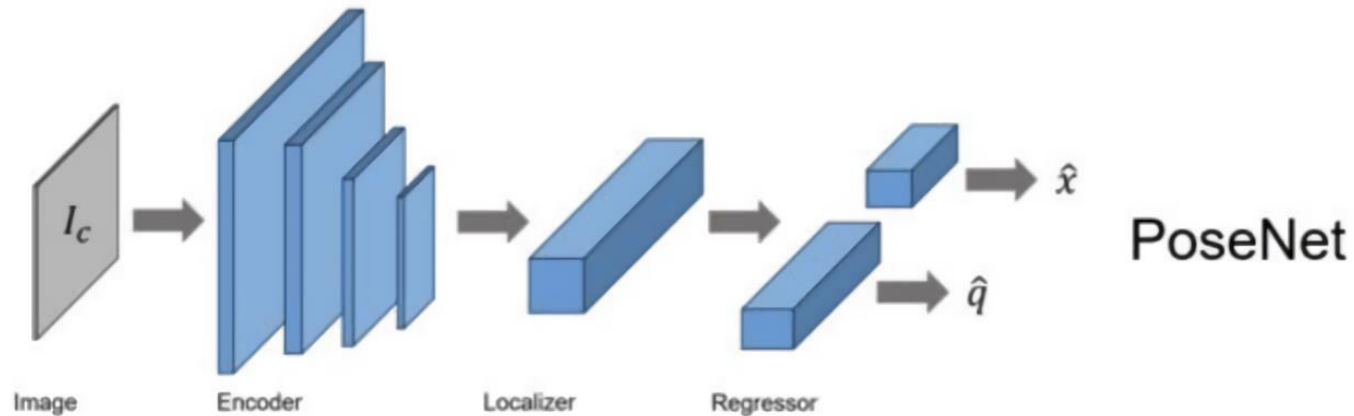# What is Image Pose?
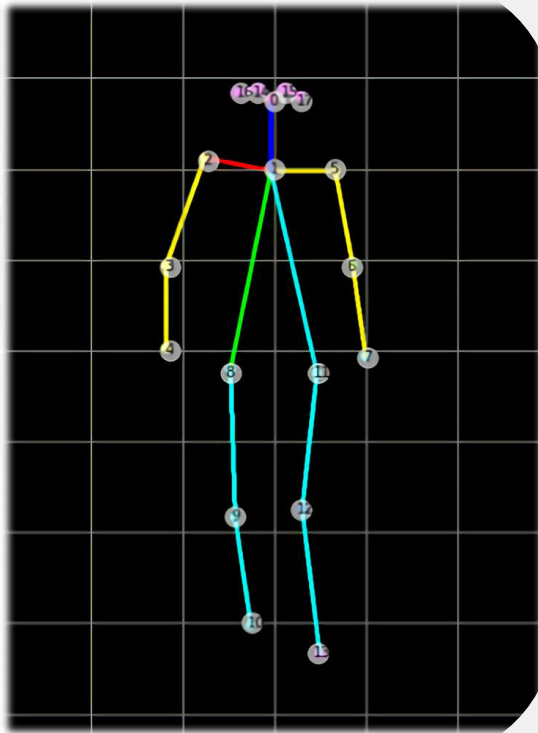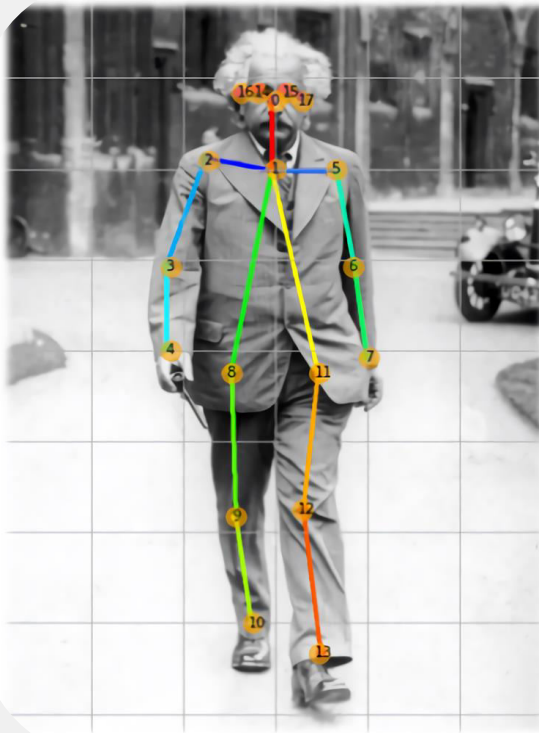
Why do We Need to Estimate the Pose?
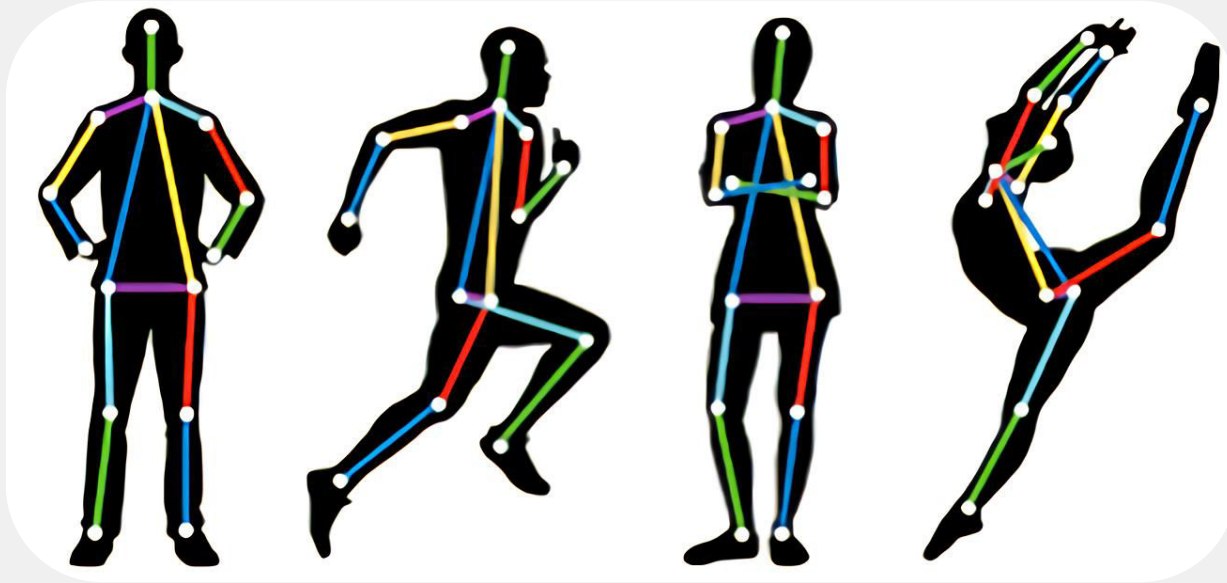
Applications

- **Robotics**

- **Augmented Reality**

- **Animation**

- **Gaming**

PoseNet Architecture

Pose Estimation & Deep Learning

Pose Regressor	Encoder	Localizer
PoseNet	GoogleNNet	1 FC
LSTM-Pose	GoogLeNet	1 FC + 4LSTM
Hourglass-Pose	ResNet34 Encoder	1 FC
SVS-Pose	VGG16	3 FC
BranchNet	GoogleNet	2 x GoogleNet
MapNet	ResNet34 + global average pooling	1 FC