

## AIPI 2022 | Model Card Template

Creator(s):

*The purpose of this model card is to provide key information about a specific machine learning model. Model cards increase transparency by communicating information about trained models to broad audiences. You can view real-world model card examples [here](#).*

Task: <b>Traffic Management</b>
Program or Tool Used/Analyzed: <b>Potential idea for traffic management</b>

## Purpose

*The purpose of a program is **why** it was made (different from how it works). Type a brief description of the program's purpose or give examples of how it could relate to a real-world task.*

<b>To control traffic flow and prevent motorway accidents</b>
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## Function

*Based on the task being completed, draw your responses from the [Task Reference Document](#). Input/Output should match the task listed above.*

Type of Input: <b>Live video from street cameras</b>
Type of Output: <b>red or green light</b>
Description Data Input: <b>if cars are present as well as the amount of vehicles</b>
Description of Data Output (e.g. specific categories if classification task): <b>whether the light turns red or green and how long it should remain that way</b>

## Training Data

*Training data is the data that is used to teach a machine learning model.*

Where does the training data come from?
Human training
Who is training the model?
human
Number of Training Data Samples: 16
Is the training data labeled? <ul style="list-style-type: none"><li>• Yes</li></ul>

## Ethical Considerations

*Consider demographic groups, environmental conditions, and technical factors/limitations.*

What could go wrong from an ethical perspective when using this model? 2) What effect would this have? 3) How could this be prevented?
It could increase traffic accidents if not closely monitored and maintained at first