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 iAIPI 2022 | Model Card Template
Creator(s):
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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: **Neural net regression**
Program or Tool Used/Analyzed: **Expirator**

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.*

The purpose of the Expirator is to detect when food is going to go bad. To do this it will use infrared sensors, cameras to detect bacteria and scanners. With all this data it will make an accurate prediction of when the food will go bad / expire and what pesticides were being used and if so what are the potential health risks.

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: numerical features
Type of Output: numerical values
Description of Data Input: different amount of bacteria, the amount chemicals and expiration date
Description of Data Output (e.g. specific categories if classification task): the percentage of health risks of eating it and a predicted expiration date.

Training Data

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

Where does the training data come from?
The training data comes from google and we need to feed it tons of pictures of rotten and good food.
Who is training the model?
Teachable machine will train the model right now, but later we will use a better site to detect if the food is rotten or not.
Number of Training Data Samples: 100
Is the training data labeled? ☑ ~~Yes~~ ☐ No

Ethical Considerations

Consider demographic groups, environmental conditions, safety, privacy, and technical factors/limitations, etc.

1) 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 have a data bias towards a certain culture and not recognize another. It could also have wrong calculations towards people that have allergies. It could not give an accurate description when it comes to cultural food and it could potentially harm people with allergies. This could be prevented by giving more data and for people with allergies we could give them more specific descriptions and furthermore in the future we will also incorporate a scanner to find any traces within the food that they might have an allergic reaction to.