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# Hvernig nýtist gervigreind í vélum og hvað þarf til?

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Sindri Ólafsson

# Hvað er gervigreind?

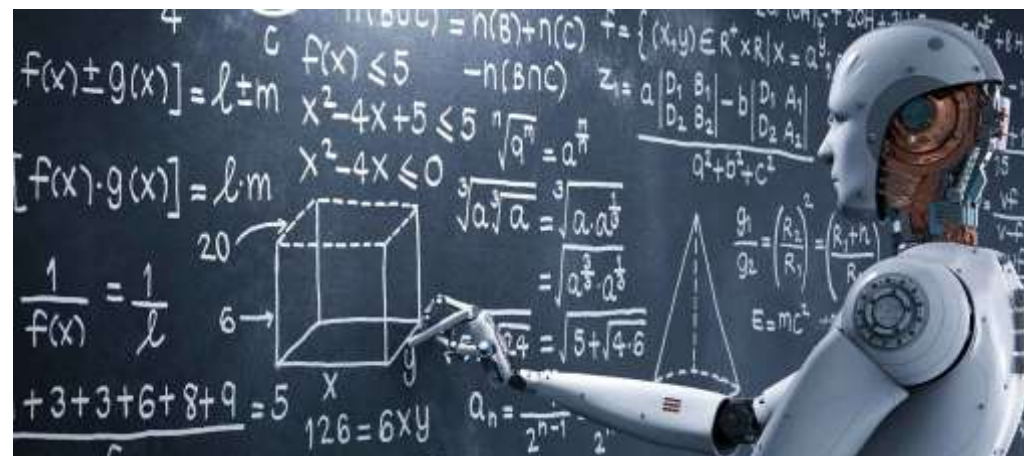
## Artificial Narrow Intelligence

AI trained and focused to perform specific tasks. Narrow AI drives most of the AI that surrounds us today. It enables some very robust applications, such as Apple's Siri, Amazon's Alexa, IBM Watson, and autonomous vehicles.



## Artificial General Intelligence

A theoretical form of AI where a machine would have an intelligence equaled to humans; it would have a self-aware consciousness that has the ability to solve problems, learn, and plan for the future.



# Hvernig nýtist gervigreind

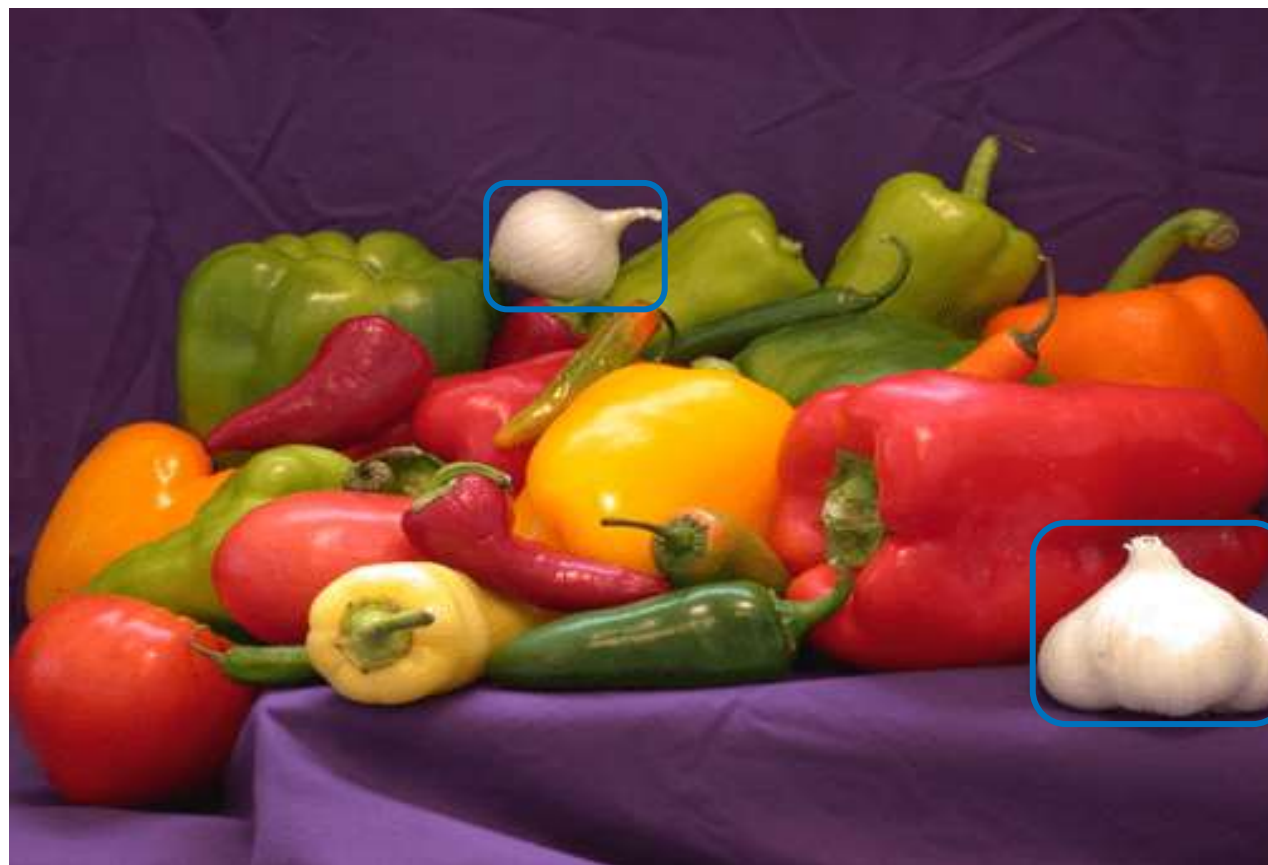




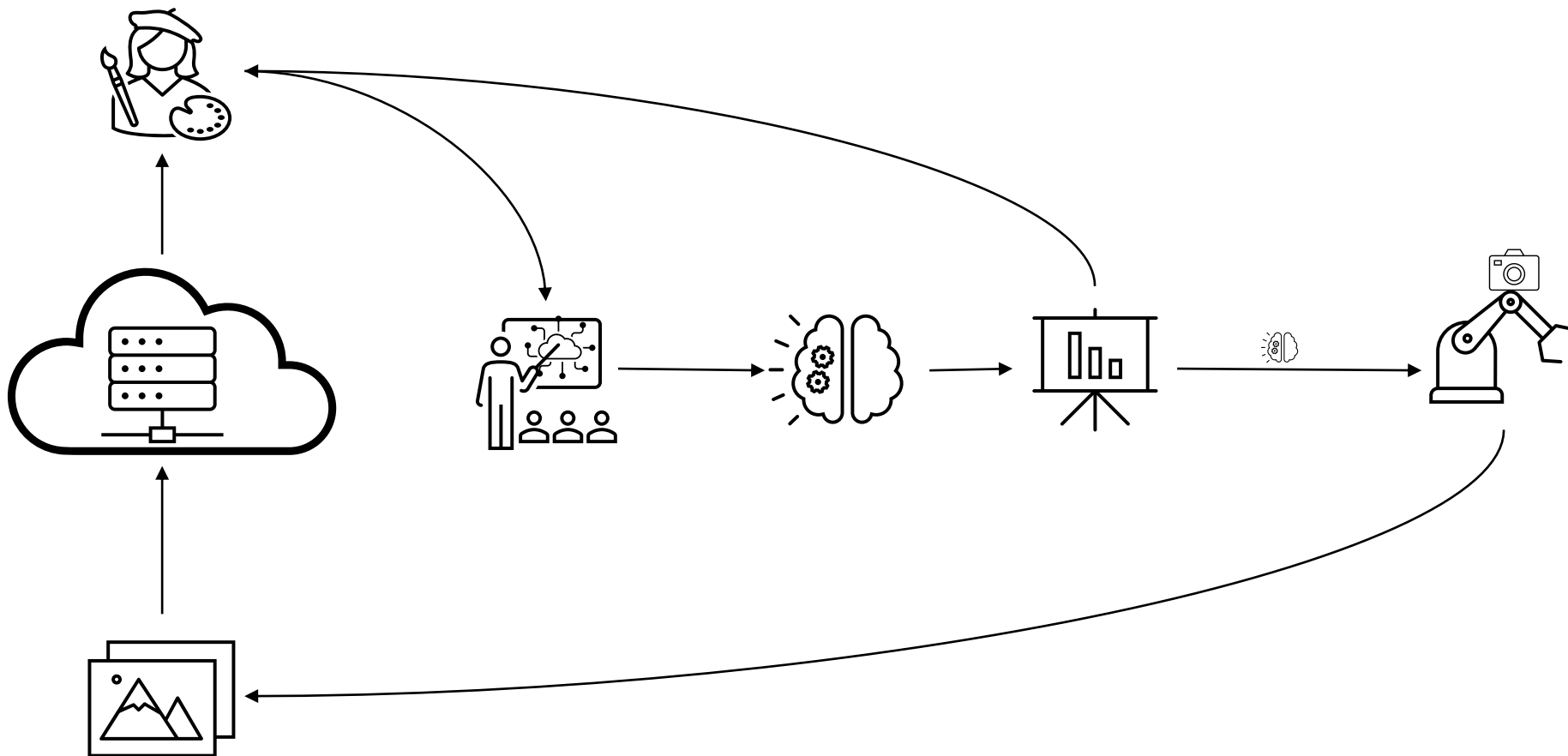
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# Hvernig nýtist hún í vélum

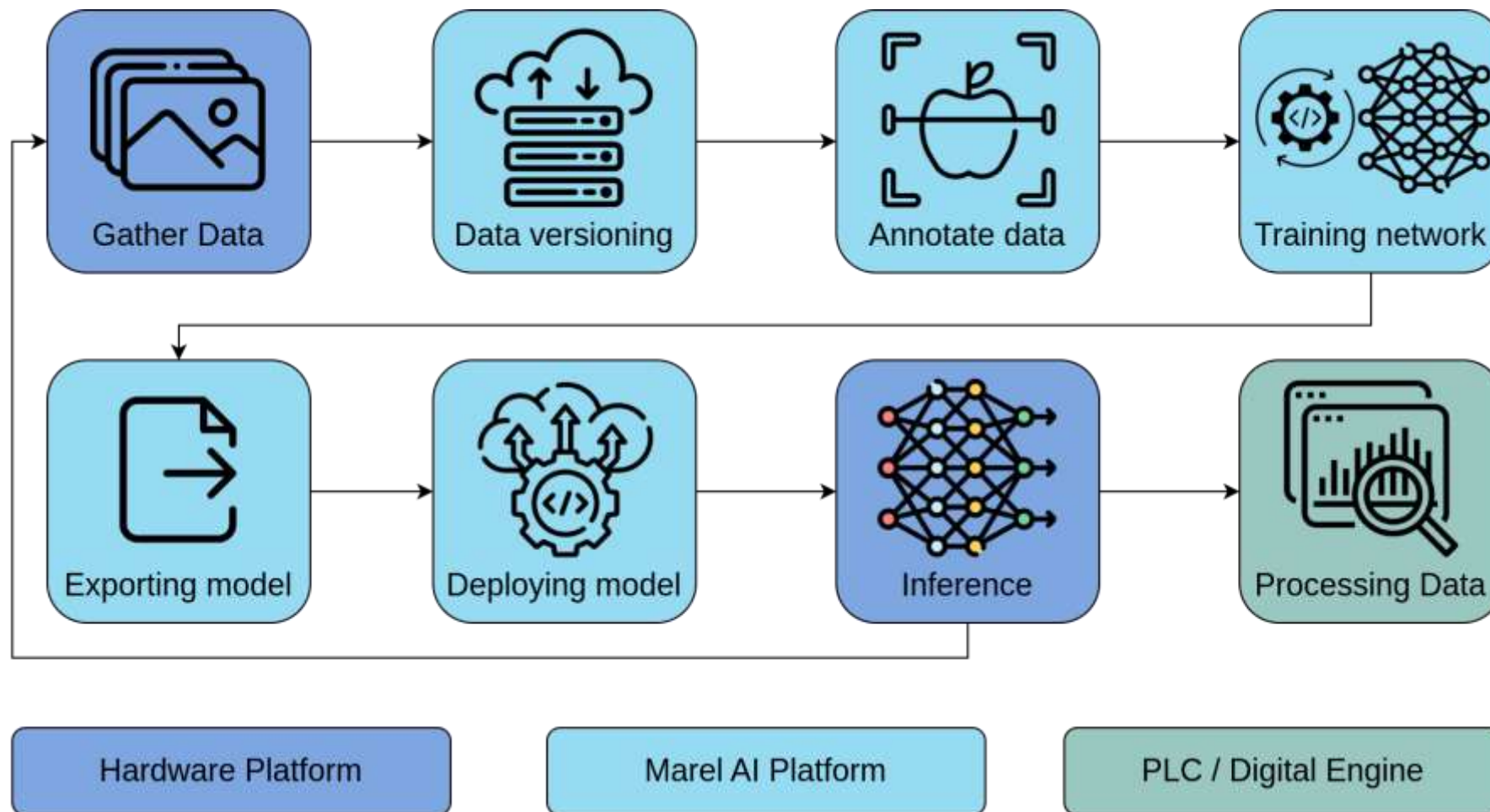
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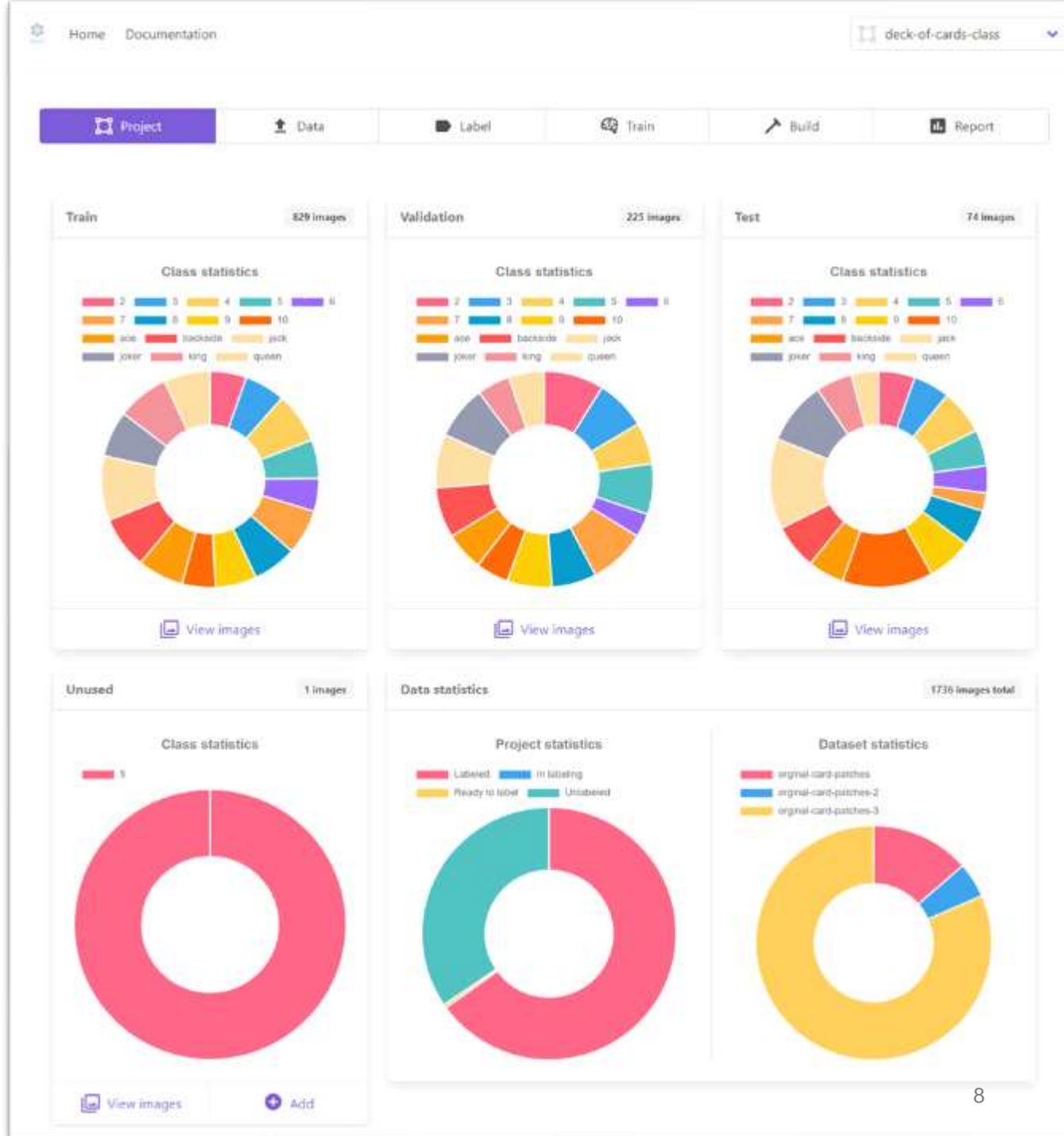
# Flæði gagna í vélnámi



# Gagna innviðir

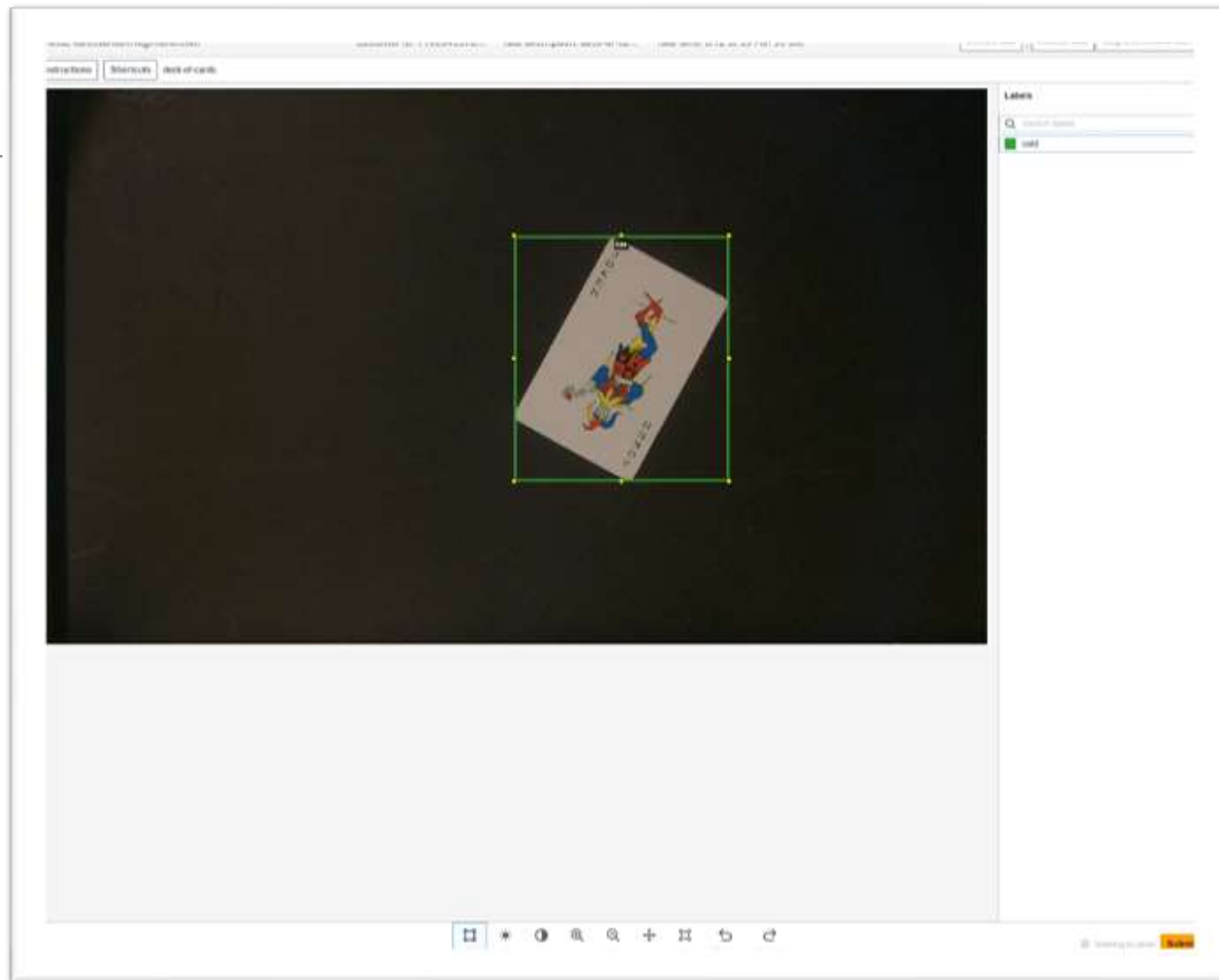
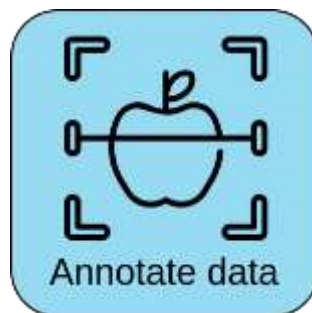


# Gagna yfirlit





# Gagnamerking



# Þjálfun líkana



Home Documentation deck-of-cards-class

Project Data Label **Train** Build Report

### Start a training job

Training job type  Model type

Classes to train

Image width  Image height  Preserve aspect ratio

Epochs  Batch size

AWS instance type  Max training time (minutes)  Project number

Use transfer learning  Transferred model name

Augmentations

Advanced parameters

[Load cloud config](#) [Start training](#)

# Auðgun gagna

## Base Augmentations

Geometry based



Color based



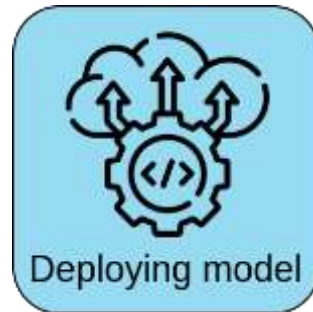
Noise / occlusion



Weather



# Dreifing líkana



Home Documentation deck-of-cards-class

Project Data Label Train **Build** Report

**Deployment status**

Currently `aws-deck-of-cards-class-2023-12-04-08-38-14-onnx` is deployed for this model project

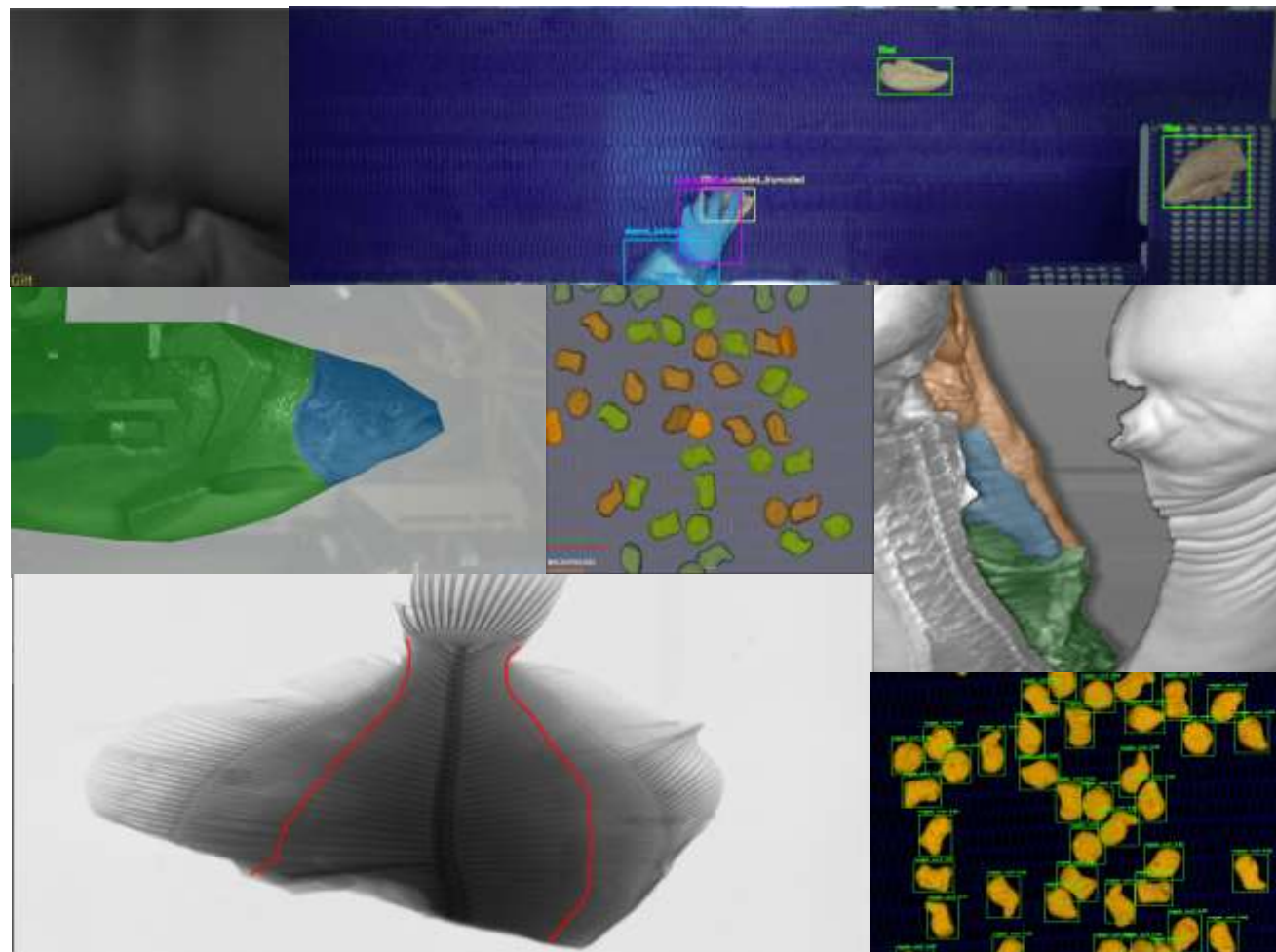
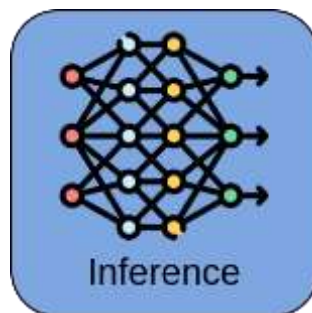
[Review](#) [Copy hostname](#)

**Training job status**

Name	Creation time ↑	Status	Job Page	Build	Download	Deploy
aws-deck-of-cards-class-2023-12-04-08-38-14	12/4/2023, 9:38:14 AM	Completed	<a href="#">Job Page</a>	<a href="#">Build</a>	<a href="#">Download</a>	<a href="#">Deploy</a>
aws-deck-of-cards-class-2023-12-04-00-40-31	12/4/2023, 1:40:31 AM	Completed	<a href="#">Job Page</a>	<a href="#">Build</a>	<a href="#">Download</a>	<a href="#">Deploy</a>
aws-deck-of-cards-class-2023-12-03-22-46-08	12/3/2023, 11:46:09 PM	Completed	<a href="#">Job Page</a>	<a href="#">Build</a>	<a href="#">Download</a>	<a href="#">Deploy</a>
aws-deck-of-cards-class-2023-12-01-13-33-57	12/1/2023, 2:33:57 PM	Completed	<a href="#">Job Page</a>	<a href="#">Build</a>	<a href="#">Download</a>	<a href="#">Deploy</a>
aws-deck-of-cards-class-2023-12-01-12-54-09	12/1/2023, 12:54:09 PM	Completed	<a href="#">Job Page</a>	<a href="#">Build</a>	<a href="#">Download</a>	<a href="#">Deploy</a>
aws-deck-of-cards-class-2023-12-01-11-44-03	12/1/2023, 12:44:03 PM	Completed	<a href="#">Job Page</a>	<a href="#">Build</a>	<a href="#">Download</a>	<a href="#">Deploy</a>

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# Notkun líkana



# Notkun á niðurstöðum

- Gæðamat
- Árangursmælingar (performance measurement)
- Fyrirbyggjandi viðhald (preventive Maintenance)
- Vélastýring



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**Takk fyrir mig**

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