

# 3 - Using a Pre-Trained Model to Recognise Text

# Scenario

1. **start with a previously trained model: *see how it goes***
2. manually correct some of the automatic transcriptions
3. fine-tune model with corrected data
4. use in production

# The Dataset: NorHand v2

Based on:

Beyer, Y., & Solberg, P. E. (2024). NorHand v2 / Dataset for Handwritten Text Recognition in Norwegian [Data set]. Zenodo.  
<https://doi.org/10.5281/zenodo.10628791>

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# About the Pre-Trained Model

Trained on:

- portion of "NorHand v2" - texts by Henrik Ibsen
- X pages, Y lines
- validation error rates:
  - CER = %
  - WER = %

# Preparing Loghi - inference-pipeline.sh

Things we need:

- path to Laypa model
- path to Laypa configuration
- path to pre-trained Loghi model

# Modifying inference-pipeline.sh

```
LAYPABASELINEMODEL=INSERT_FULL_PATH_TO_YAML_HERE  
LAYPABASELINEMODELWEIGHTS=INSERT_FULLPATH_TO_PTH_HERE
```

```
HTRLOGHIMODEL=INSERT_FULL_PATH_TO_LOGHI_HTR_MODEL_HERE
```

# Running inference-pipeline.sh

```
./inference-pipeline.sh PATH_TO_IMAGES
```

# Inspecting the Results