

Dataset Location Update - December 30, 2025


What Changed

The raw dataset has been **moved inside the project directory** for better organization and portability.

Old Structure




```
MLopsExperimentalLearning_Assignment_1_Group_81/
├── heart-disease-mlops/           # Project directory
│   ├── src/
│   ├── data/
│   └── ...
└── raw_dataSet/                 # Dataset was OUTSIDE project
    └── heart+disease/
```

New Structure (Current)

```
heart-disease-mlops/           # Project directory
├── src/
├── data/
├── raw_dataSet/                # Dataset is NOW INSIDE project 
│   ├── heart+disease/
│   │   ├── processed.cleveland.data
│   │   ├── cleveland.data
│   │   ├── heart-disease.names
│   │   └── ...
│   └── ...
└── ...
```

Updated Files

The following files have been updated with the new path:

1. **src/download_data.py** 
 - Changed: `BASE_DIR.parent / "raw_dataSet"` → `BASE_DIR / "raw_dataSet"`
2. **README.md** 
 - Updated project structure diagram
 - Updated setup instructions
3. **LOCAL_DEPLOYMENT_GUIDE.md** 

- Updated all references to dataset location

4. **EXECUTION_GUIDE.md** ✓

- Updated troubleshooting section

5. **docs/EXECUTION_GUIDE.md** ✓

- Updated expected output paths

6. **docs/FINAL_REPORT_TEMPLATE.md** ✓

- Updated data acquisition section

7. **.gitignore** ✓

- Added `raw_dataSet/` to prevent committing large dataset files

✓ Benefits of This Change

1. 🎯 **Self-contained Project:** Everything is in one directory
2. 📦 **Easier Distribution:** Just zip/clone the `heart-disease-mlops` folder
3. 🗝️ **Better Git Management:** Dataset excluded via `.gitignore`
4. 🚀 **Simpler Paths:** No more `../` navigation needed
5. 📁 **Clearer Structure:** All project assets in one place

🔧 Verification

To verify the change works:

```
# Navigate to project
cd heart-disease-mlops

# Check dataset exists
ls -la raw_dataSet/heart+disease/

# Test the download script
python src/download_data.py
```

Expected Output:


- ```
✓ Found local dataset at: raw_dataSet/heart+disease
✓ Data downloaded successfully!
✓ Dataset saved to data/processed/heart_disease.csv
```



## Important Notes

- The `raw_dataSet/` directory is added to `.gitignore` to avoid committing large files
  - All relative paths in code now reference `raw_dataSet/` within the project
  - No changes needed to model training or API functionality
  - The dataset files remain the same, only their location changed
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## Path Reference Quick Guide

Old Paths (Don't use these anymore )

```
source_path = BASE_DIR.parent / "raw_dataSet" / "heart+disease" #  Old
```

New Paths (Use these )

```
source_path = BASE_DIR / "raw_dataSet" / "heart+disease" #  New
```

In Documentation


-  Old: `../raw_dataSet/heart+disease/`
  -  New: `raw_dataSet/heart+disease/`
- 

## For New Users

When setting up the project:

1. Clone/download the `heart-disease-mlops` directory
  2. The dataset should already be in `raw_dataSet/heart+disease/`
  3. Run `python src/download_data.py` to process the data
  4. Continue with the setup as described in `LOCAL_DEPLOYMENT_GUIDE.md`
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**Date:** December 30, 2025

**Status:**  Complete - All references updated

**Verified:**  Python syntax valid, dataset accessible