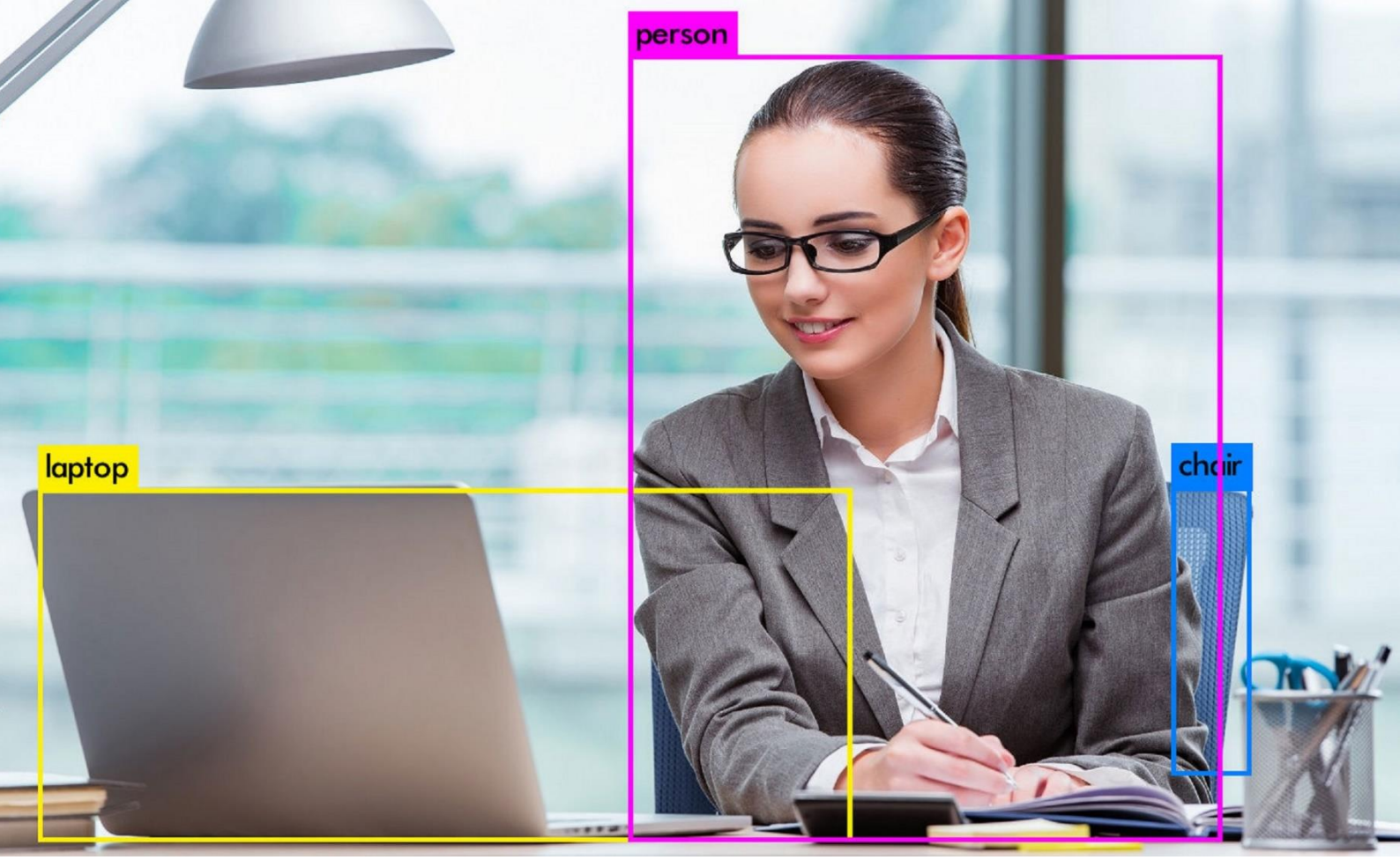


Traffic Signs dataset in YOLO

"Experiment with Traffic Signs dataset.
Create two versions of the dataset: with 4 classes and 43 classes."

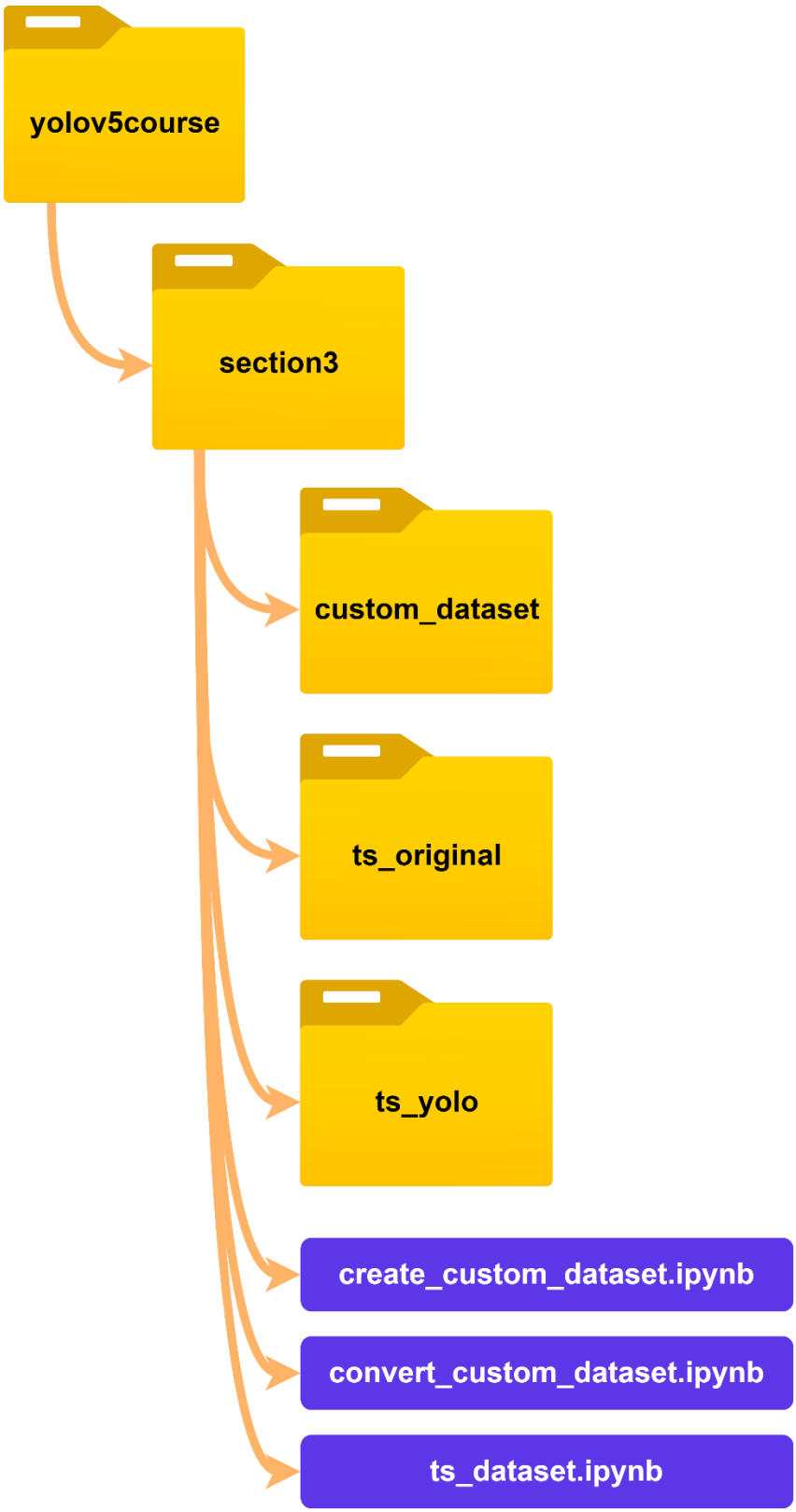
Step 1: Create additional directories

Windows: open Anaconda Prompt.
Mac or **Linux**: open terminal window.
All the commands are the same for Windows, Mac and Linux.

Command	Description
`cd yolov5course\section3`	Navigates to "section3" directory
`mkdir ts_original`	Creates "ts_original" directory
`mkdir ts_yolo`	Creates "ts_yolo" directory
`cd ts_yolo`	Navigates to "ts_yolo" directory
`mkdir yolov5dataset`	Creates "yolov5dataset" directory
`cd yolov5dataset`	Navigates to "yolov5dataset" directory
`mkdir ts4classes`	Creates "ts4classes" directory
`mkdir ts43classes`	Creates "ts43classes" directory

Step 2: Download code file

Go to resources of this lecture and download code file file. Place this file into created "section3" directory, that is inside "yolov5course" directory. Download also archives with traffic signs dataset. Unzip archivers into created "ts_original" directory. You should have following hierarchy:



Step 3: Run code cells

Windows: open Anaconda Prompt.
Mac or **Linux**: open terminal window.
All the commands are the same for Windows, Mac and Linux.

Command	Description
`conda activate foenv`	Activates "foenv" environment
`jupyter notebook`	Runs Jupyter Notebook

Links

Check out additional links with extra information for further readings:

- ✓ Entire TS dataset consisting of 900 full images
- ✓ GTSDB - The German Traffic Sign Detection Benchmark
- ✓ Convert in YOLO format for v4 version
- ✓ Convert in YOLO format for v5 version
- ✓ Loading Datasets from Disk
- ✓ Loading Datasets from Disk - Custom formats
- ✓ Splitting Datasets into sub-datasets
- ✓ Supported formats to export Datasets