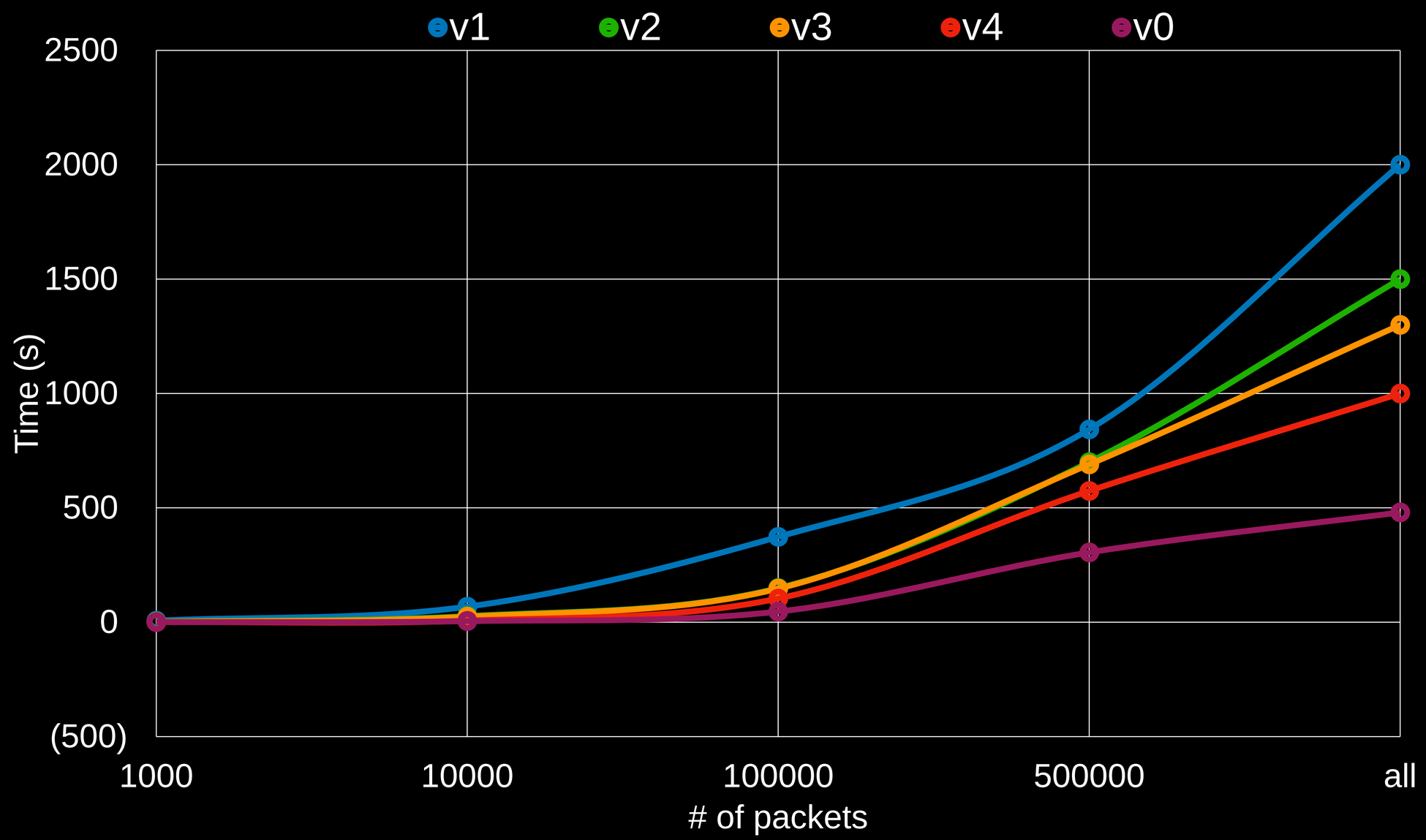
# PCAP file analysis

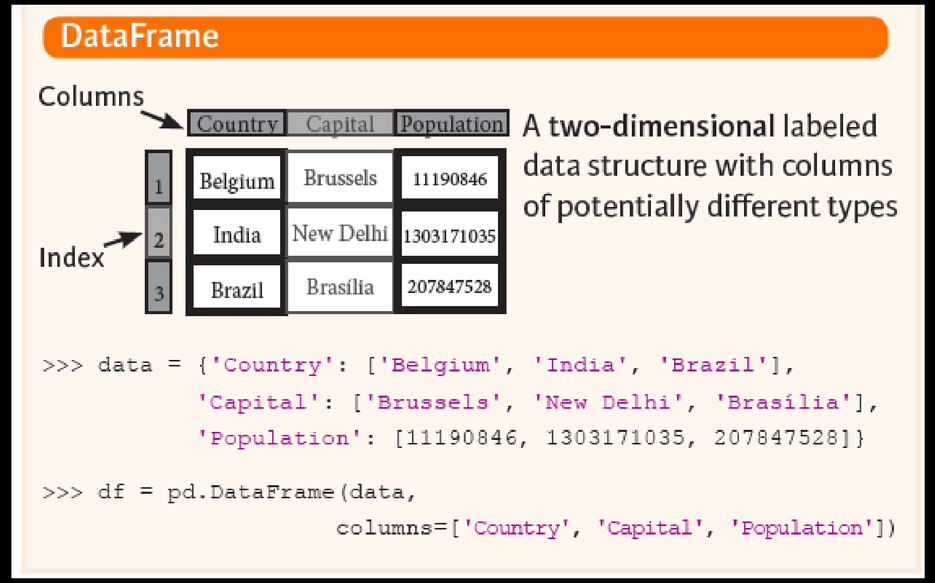
Niccolò Didoni and Francesco Ferrari

# Looking for efficiency



# Pandas DataFrames.

- **Integration with Python dictionaries**
- **Direct DataFrame export to .csv format**
- **MatPlotLib support**
- **Complete documentation**



# Dictionaries

```
class Packet:
    lenght : int
    occurrences : int
    protocol_array : [[int, int, int]]
    srcPort_array : [[int, int, int]]
    destPort_array : [[int, int, int]]
```

Packet

‘IP address{:}

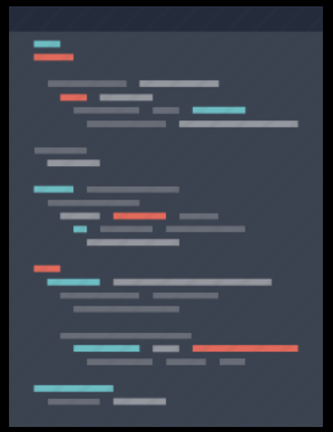
task 1

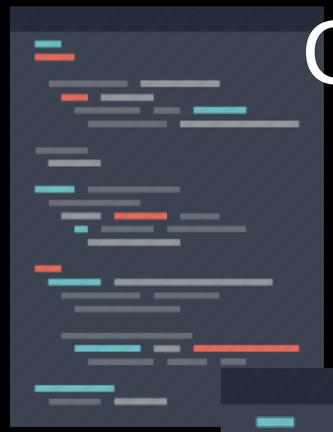
task 2

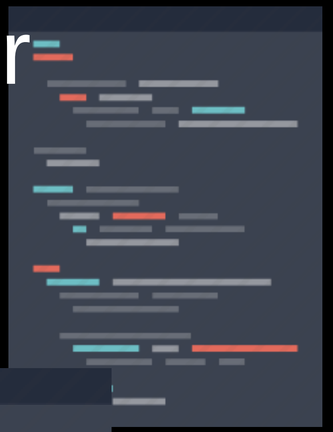
task 3

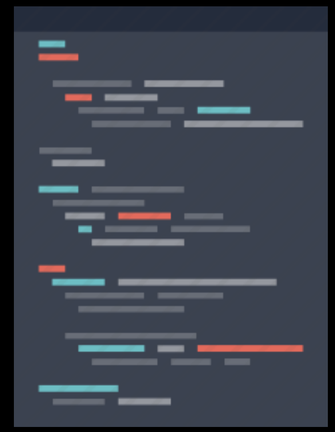
task 4

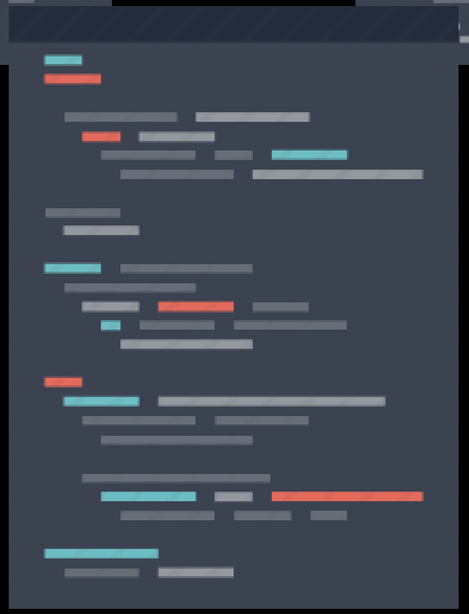
Cocker











# Cocker

## PCAP file analyzer

- **Intuitive terminal interface**
- **Sessions manager**
- **Data export and plotting**
- **Expandability**