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# Building a dashboard for visualizing multiple ESnet data sources

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# Problem Statement

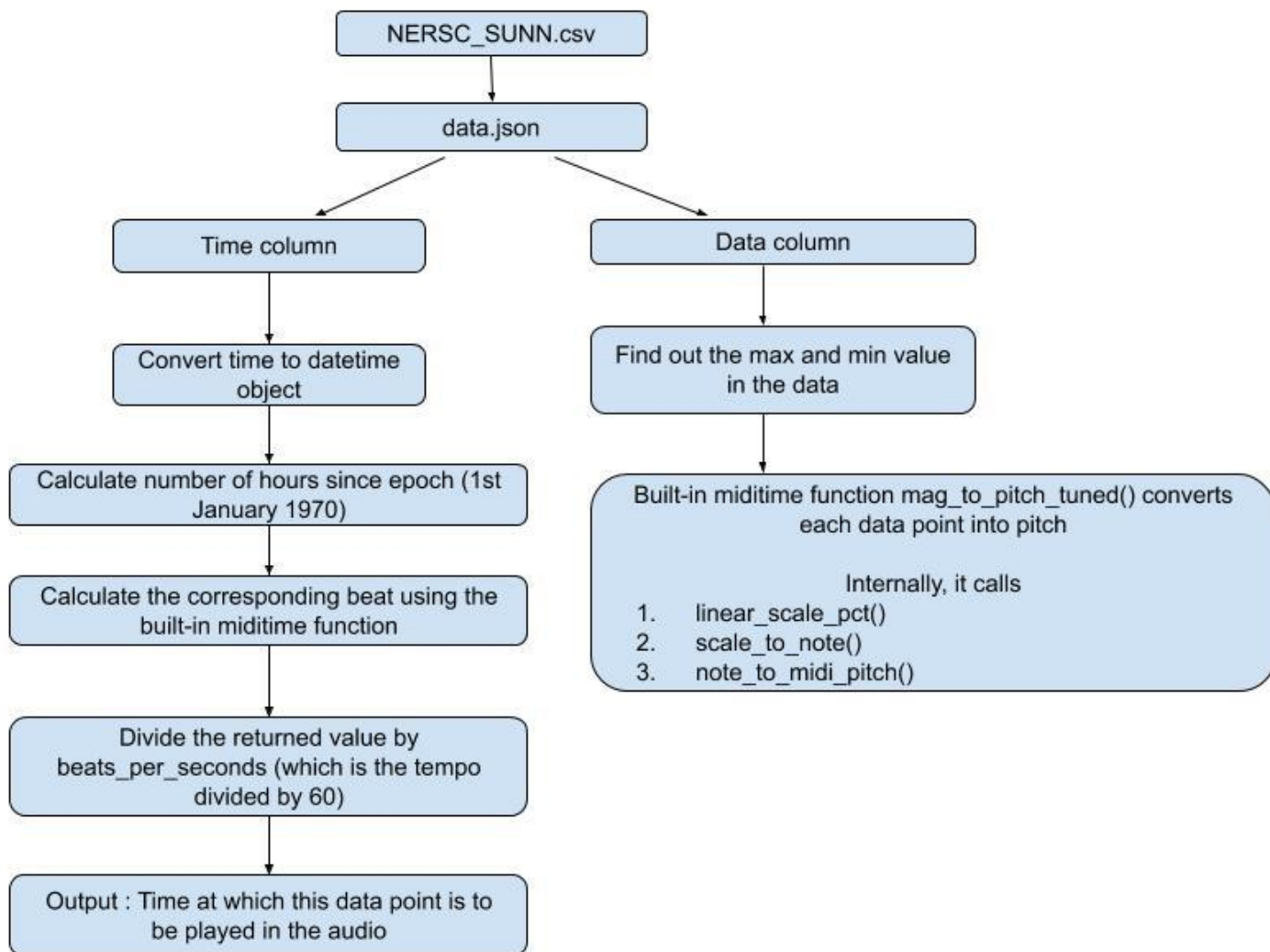


- Building Grafana plugin tools to enable connection to network databases
  - Exploring how to install Grafana
  - Connecting multiple network monitoring databases
  - Different ways of visualizing different datasets
    - Line and Bar graphs
    - Scatter Plots
    - Histograms
  - Process ML algorithms with MouseTrap using dashboard



# Progress

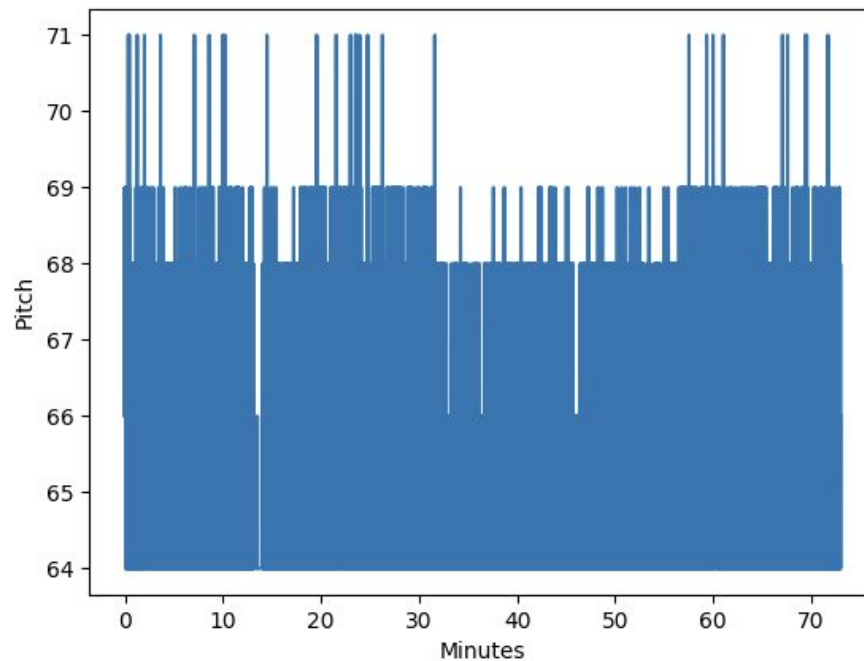
Finished building a tool that converts time-series data to audio



# Progress (contd.)

For example :

Music Audio and graph generated  
for NERSC-SUNN-out



NERSC-SUNN 'out' graph

# Progress (contd.)



- Grafana
  - Setup grafana locally
  - Read documentation and videos to familiarize myself with the features that grafana provides

## Next Steps

- Further explore grafana
- Setup grafana on Ubuntu VM
- Read about different databases like InfluxDB, Prometheus
- Start working on connecting multiple monitoring databases