

1. **Warm up:** Project 2 proposal discussion / feedback / commentary.
  - Comments from me, Leo, Oskars
  - Replies / comments from you
  
2. **Main task:** Today's task is about *choropleth maps*.
  - (a) Look at the maps at [varam.gov.lv/lv/pasvaldibas](http://varam.gov.lv/lv/pasvaldibas). What do you notice about them? How are they similar? What do you dislike?
  - (b) Download the shapefiles for each and load them in Python with `geopandas`.
    - Until 2021: [hub.arcgis.com](http://hub.arcgis.com)
    - Since 2021: [geolatvija.lv](http://geolatvija.lv)
  - (c) Up until 2021, there were 119 administrative regions in Latvia. Since then, there are 43. There is data associated to both regions:
    - Until 2021 (119 regions)
      - Forestry data: `mezi.csv` ( [data.gov.lv](http://data.gov.lv) )
      - People data: `iedzivotaji.csv` ( [data.gov.lv](http://data.gov.lv) )
      - Unemployed data: `bezdarbnieki.csv` ( [data.gov.lv](http://data.gov.lv) )
    - Since 2021 (43 regions)
      - Animal data: `dzivnieki.csv` ( [data.gov.lv](http://data.gov.lv) )
      - Pet data: `majdzivnieki.csv` ( [data.gov.lv](http://data.gov.lv) )
  - (d) Use one of the provided data sets (or find another one online) to plot a *ratio* of two numbers (such as horse-to-cat ratio, or forest-to-unemployed people ratio). Be sure to:
    - Include a colorbar showing the max and in numbers
    - Include a descriptive title
    - Choose an appropriate colormap (available ones here: [matplotlib.org](http://matplotlib.org) )

Submit your plot in ORTUS.