Suitable heading

Menu/tabs/...

Map of Denmark

Plots and controls that depend on the menu above (slide 2)

Day slider

V Dropdown menu

Choice affecting the main page:
- Production
- Consumption
- Power import/export
- Weather

Navigation to page:
- Correlation (slide 3)
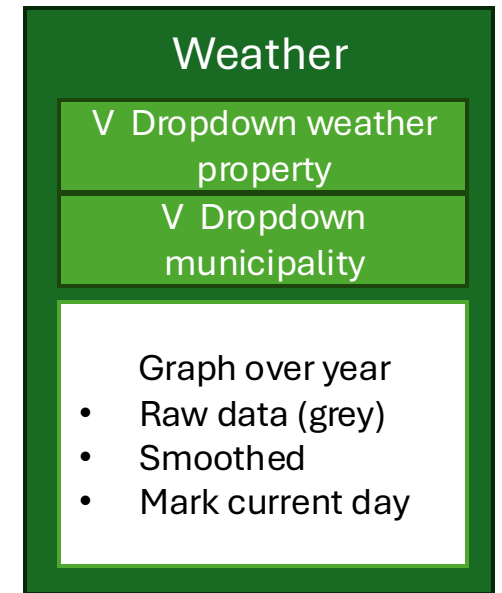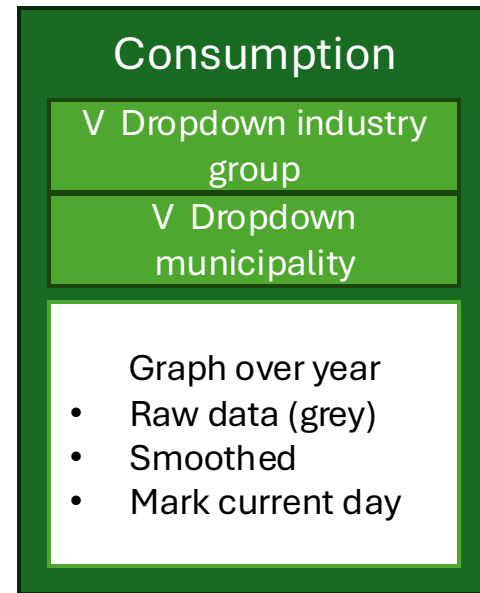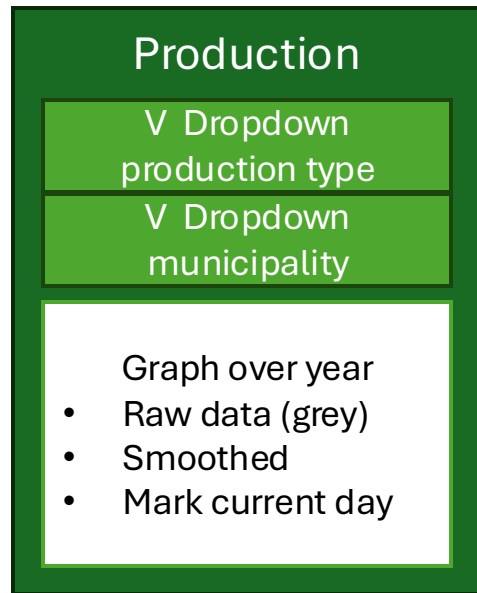- Summaries (slide 4)
- Forecasting (slide 5)

General:
- When using municipalities in the map, show properties from the *municipality* table in MongoDB as tooltips.
- Municipalities in menus should combine their number and name.
- Impute and synchronize when natural.
- Group by/pivot to daily values where needed.
- Colours and layout are your own choices as long as the specified contents are there.

Frontpage exchangeable area depending on the main dropdown menu

Clicking on a municipality dot in the map should update the municipality dropdown where appropriate.

Production

V Dropdown production type

V Dropdown municipality

Graph over year
- Raw data (grey)
- Smoothed
- Mark current day

Consumption

V Dropdown industry group

V Dropdown municipality

Graph over year
- Raw data (grey)
- Smoothed
- Mark current day

Power import/export

Pie charts for each of the four countries that Denmark imports/exports from/to.
- Appropriate labels.
- Colour indicating import or export.

Weather

V Dropdown weather property

V Dropdown municipality

Graph over year
- Raw data (grey)
- Smoothed
- Mark current day

Map:
- Dots at each municipality
  - Selected production type, municipality and day
  - Scaled by sqrt(kWh)

Map:
- Dots at each municipality
  - Selected industry, municipality and day.
  - Scaled by sqrt(kWh)

Pie chart:
- Pieces indicate current use and remainder up to the 2022 maximum.

Map:
- Large labelled dots placed naturally with regard to countries.
- Default: Green.
- Current use > 80% of year maximum: Yellow. (Both +/-)
- Current use > 95% of year maximum: Red. (Both +/-)

Map:
- Dots at each municipality
  - Selected industry, municipality and day.
  - Scaled by size of weather property (normalised per property).
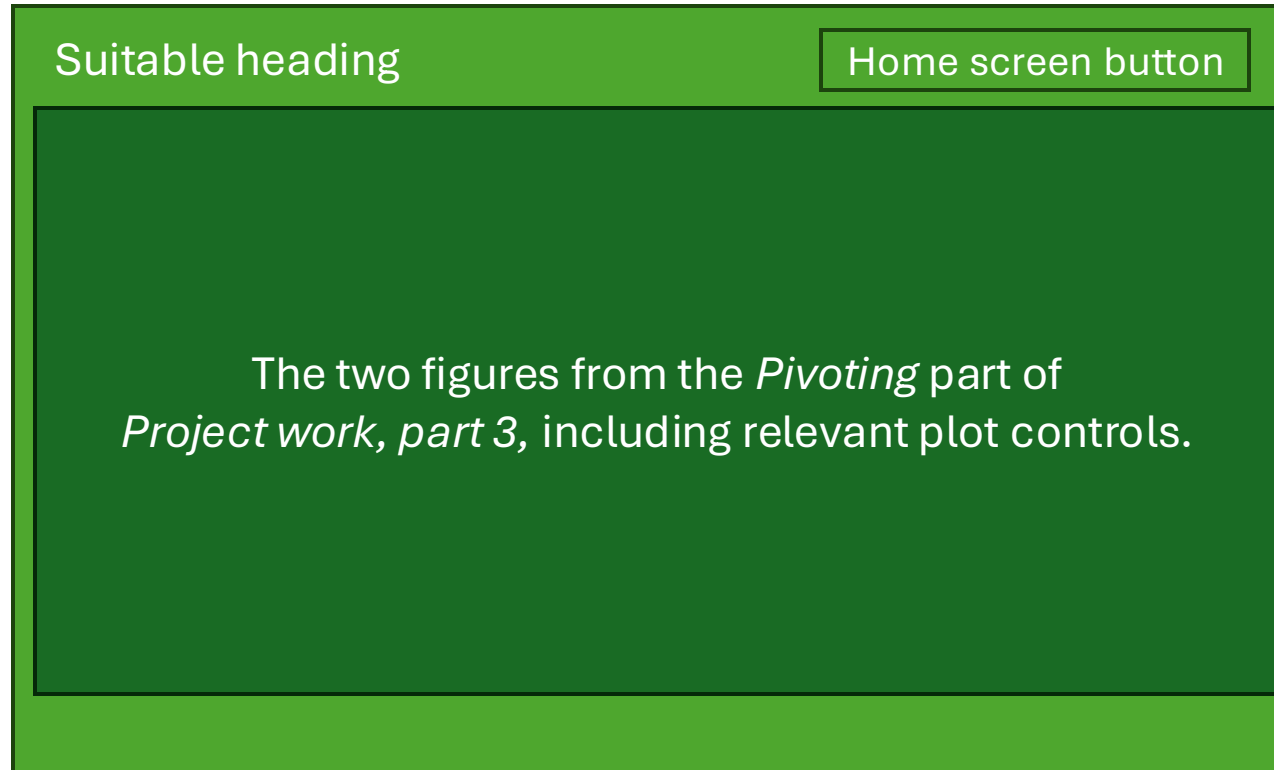
Correlation

Suitable heading

The double figure from the *Correlation* part of *Project work, part 3,* including relevant plot controls for:

- The series of purchase prices.
- The series of average windspeed across all municipalities.
- Logical (True/False) to turn on/off filtering.
- Cut-off value for the DCT-filter.
- Width of the SWC window.
- Lag added to the windspeed series.

Summaries

Suitable heading

Home screen button

The two figures from the *Pivoting* part of
Project work, part 3, including relevant plot controls.

Forecasting

Suitable heading   Home screen button

Prediction plot and model summaries from the
Forecasting part of *Project work, part 3,*
including relevant plot controls for:
- Production type*
- Municipality*
- Inclusion of temperature
- Inclusion of windspeed
- The cut-off time between training and testing*

The stars (*) indicate properties that you can also collect from the front page.