# Lab 3: sharing your data

## Sharing

* Open your dashboard
* Chose to share it with your neighbor.
* Ask that person to open your dashboard.
* If you have a pro account, you can chose to create a content pack. If you do not have this feature enabled, enable it (as a tryout).
* Choose create content pack and this time, do not only include your dashboard but also the report and the dataset. This allows the person you share with to create his own reports on your data!
* Share your content pack with your neighbor.

## Datamodeling

1. In Power BI Desktop: click ‘data’ or ‘gegevens’
2. You now see the raw data that you loaded from your database
3. Try to create a new column named Year based on the following formula: Year = year([EventProcessedUtcTime])
4. Also create a new column named ‘Month’.
5. Also create a new column based on ‘Day’
6. Now in the report create a slicer and make sure you can slice by month.
7. Also make a slicer for the day
8. Make a new measure containing the average of the temperature.
9. Also create a new measure for average Mv (battery status millivolt)
10. Make a new page for your report where you show the average temperature by month in a card with multiple rows on the left.
11. Next to it, show a meter with the average temperature.
12. Next to that, show a meter with average Mv.
13. Create two new charts under them where you show two linecharts: one with the temp by day and the other with the mV by day. What do you notice?
14. Enter new data to be used in Power BI. Call the table ‘Goal MV’ and create one column in that dataset called ‘Goal MV’. Enter a value for 3000.
15. Create a KPI card where you measure the average MV over Day, with ‘Goal MV’ as the target value.
16. See below for an example of how the report can look

## Advanced

1. Create a new column that marks whether the date is a weekend day.
2. Filter your current page to show only weekends.
3. Now filter your whole report to show only working days.
4. Create your own report to your own liking: how would you present this data? What would you like to see? Be creative, add new columns, add new measures.

