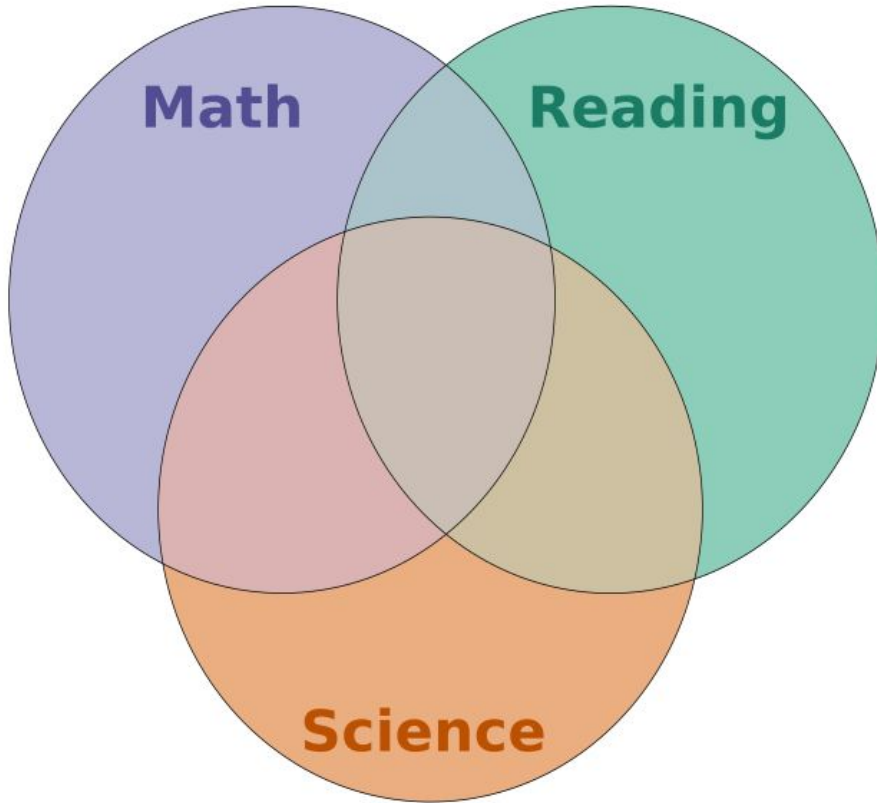


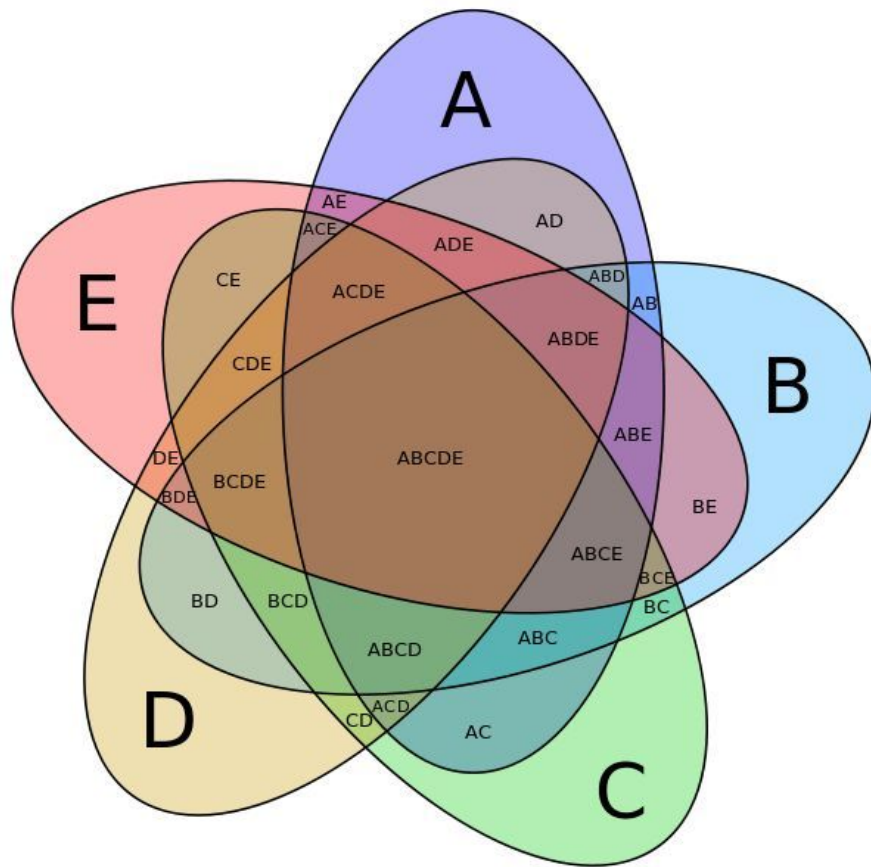
Agenda

- Diagramy Eulera i Venna
- Wykres słupkowy dla wszystkich(?) możliwych przecięć
- Agregacyjna mapa ciepła

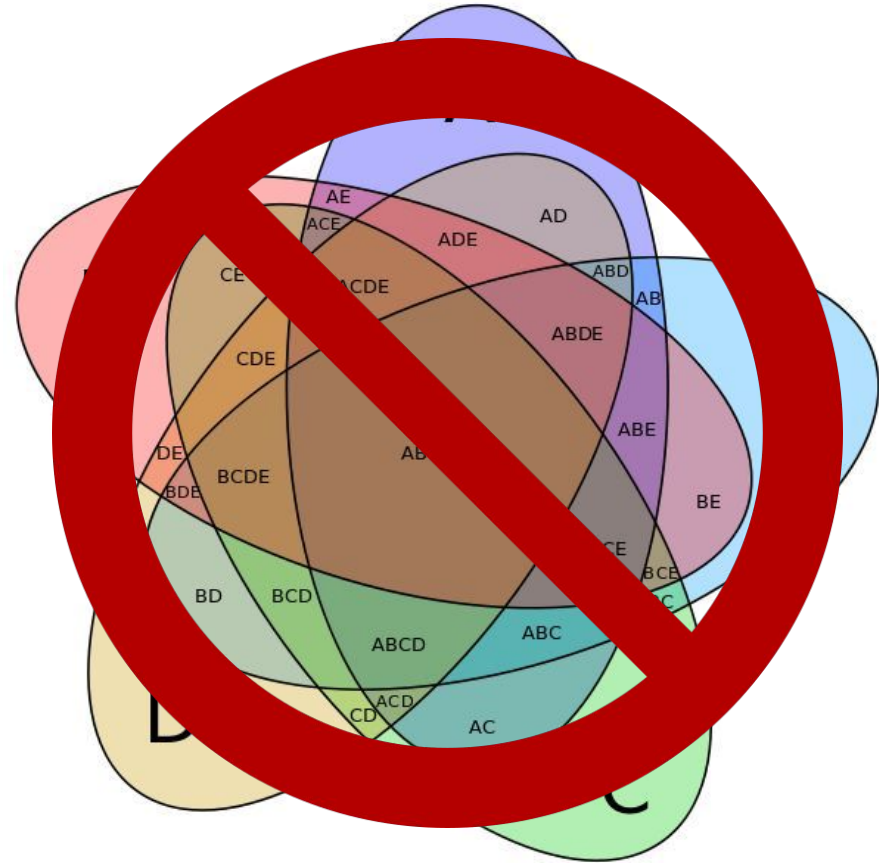
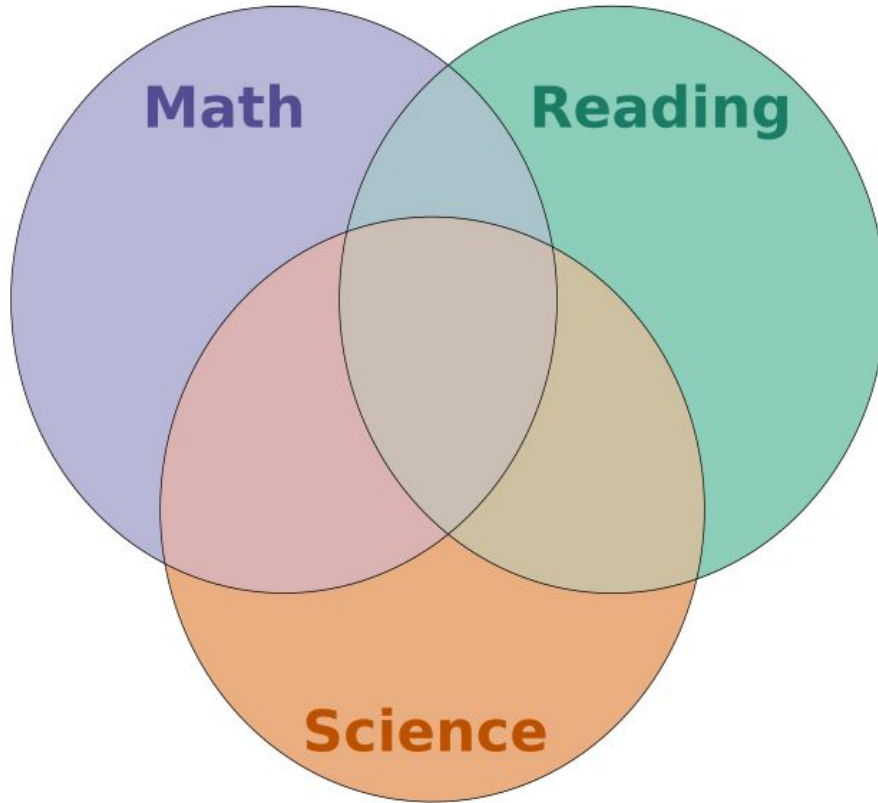
Diagramy Venna / Eulera



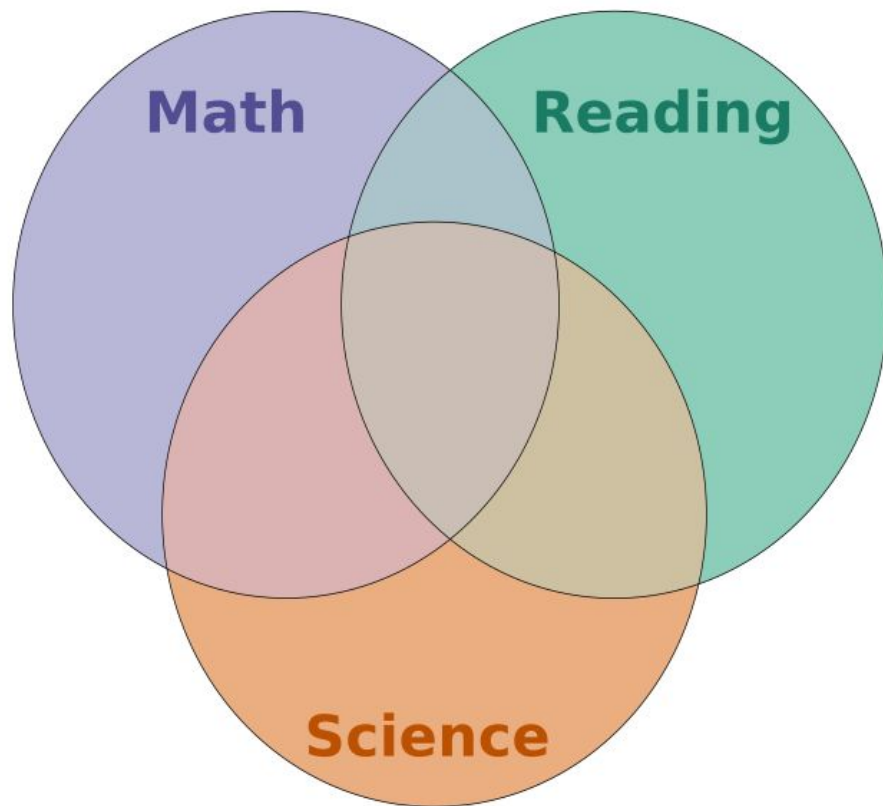
A Venn diagram consisting of three overlapping circles. The top-left circle is purple and labeled "Math". The top-right circle is teal and labeled "Reading". The bottom circle is orange and labeled "Science". The intersections of the circles are shaded with different colors: light blue for Math and Reading, light pink for Math and Science, light green for Reading and Science, and a central tan color for all three subjects.



Diagramy Venna / Eulera



Diagramy Venna / Eulera



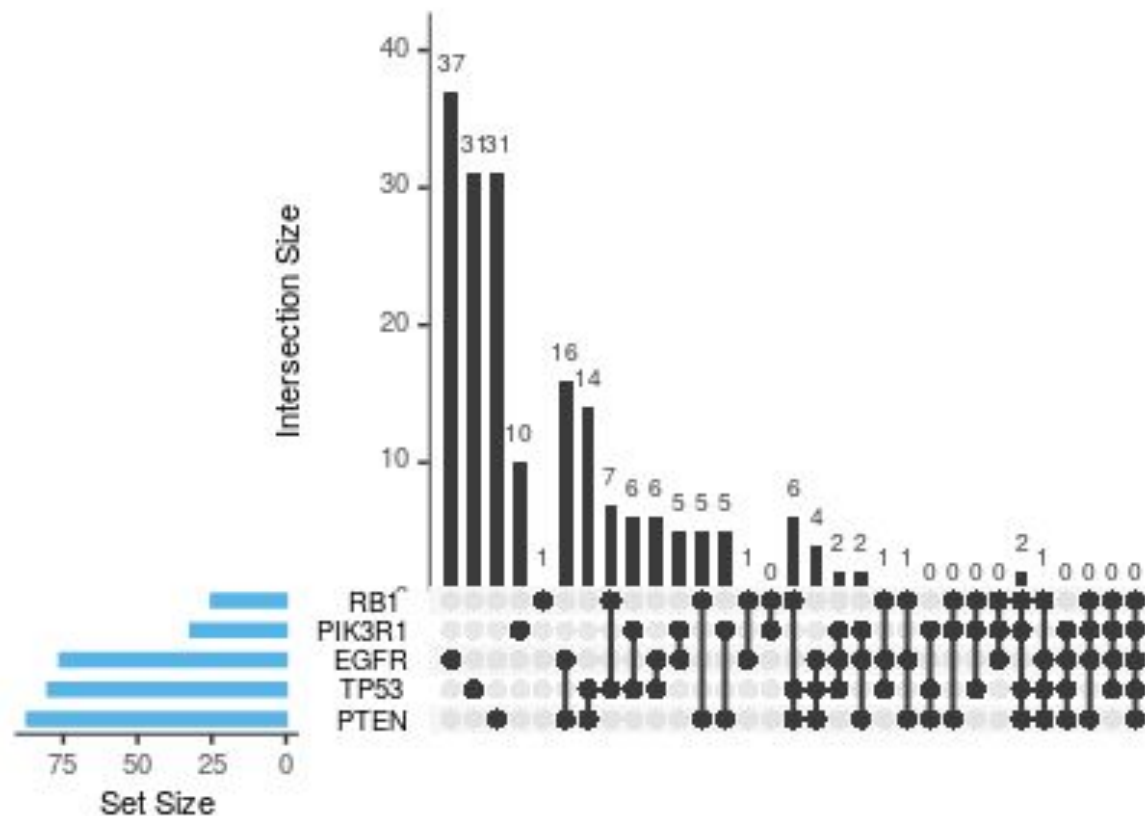
`library(eulerr)`

`# alternatywnie:`

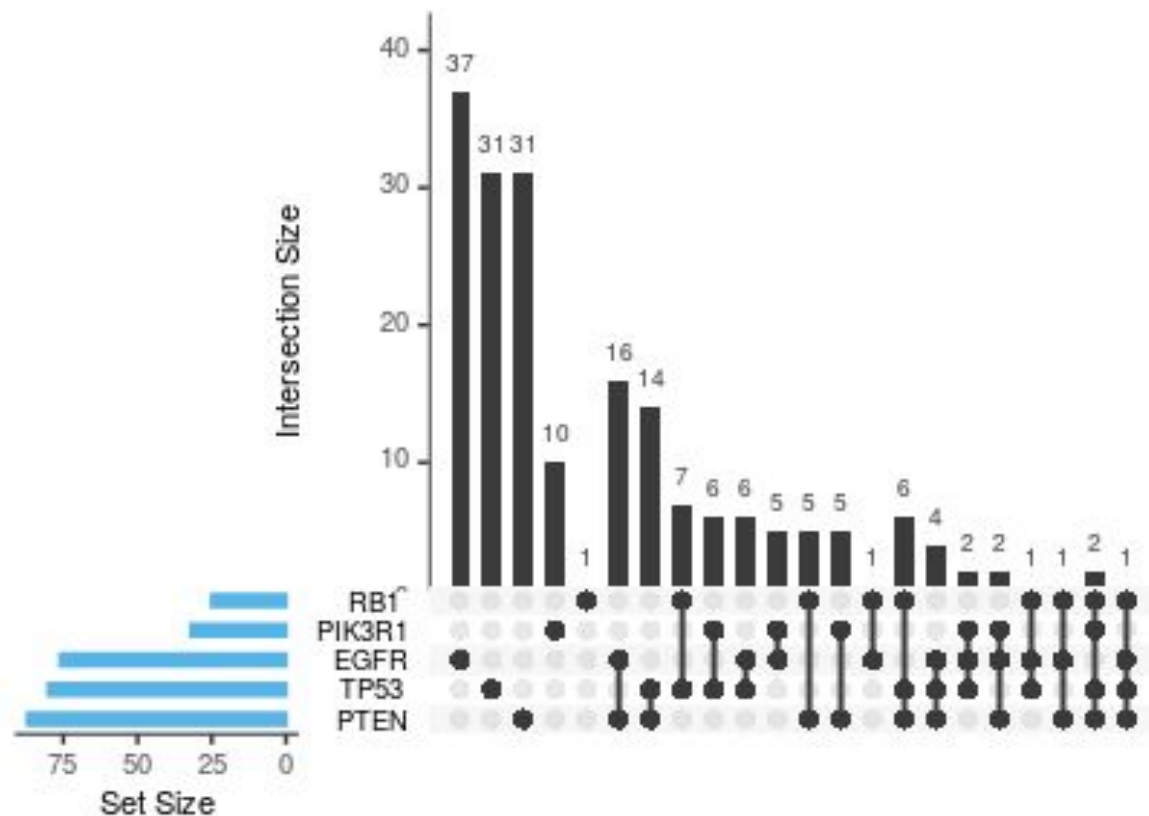
`# library(venneuler)`

`# library(vennDiagram)`

Wszystkie przecięcia

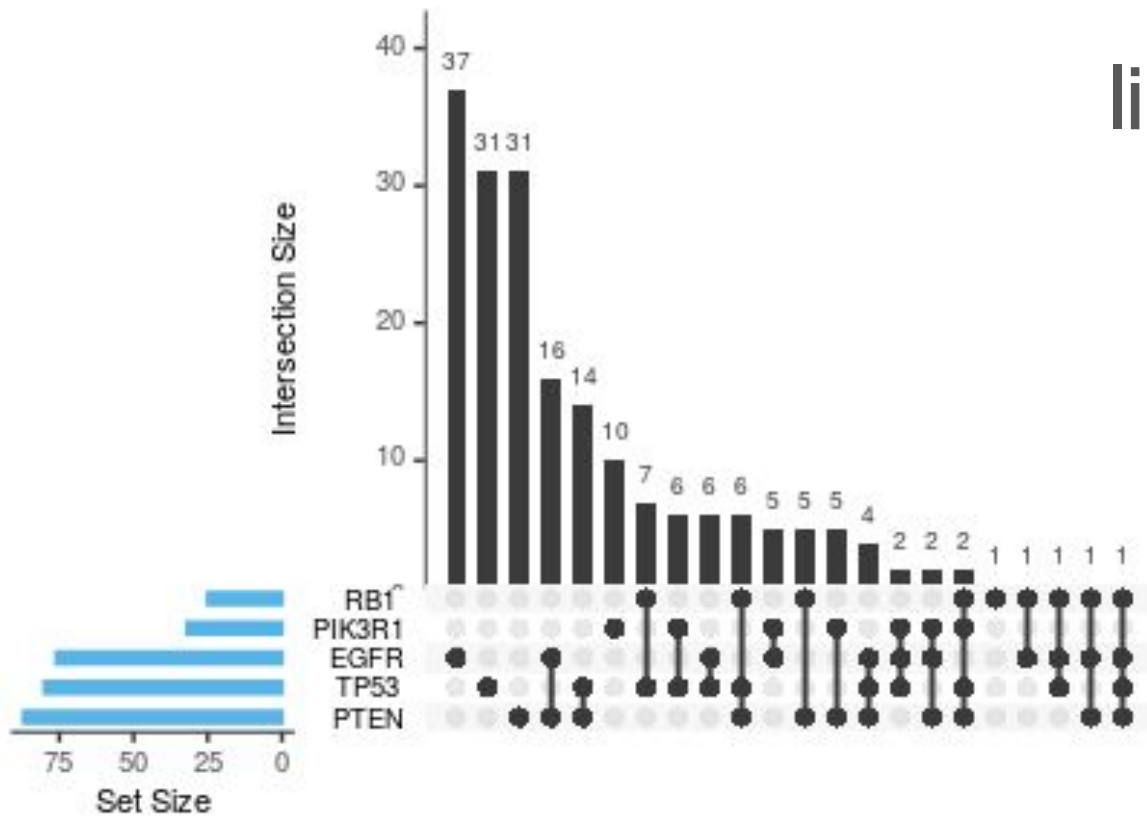


Niepuste przecięcia



Niepuste przecięcia

library(**UpSetR**)



<http://vcg.github.io/upset/>

First, aggregate by

Degree

Then, aggregate by

Don't Aggregate

Sort by

- ☐ Degree
- ☒ Cardinality
- ☐ Deviation

Aggregates

Collapse All

Expand All

Row Height

Large

Data

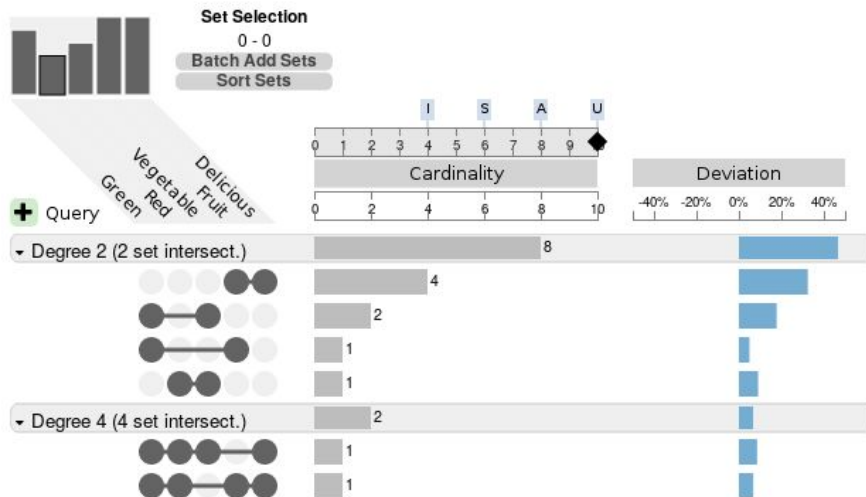
Min Degree:

0

Max Degree:

4

☒ Hide Empty Intersections



Dataset Information

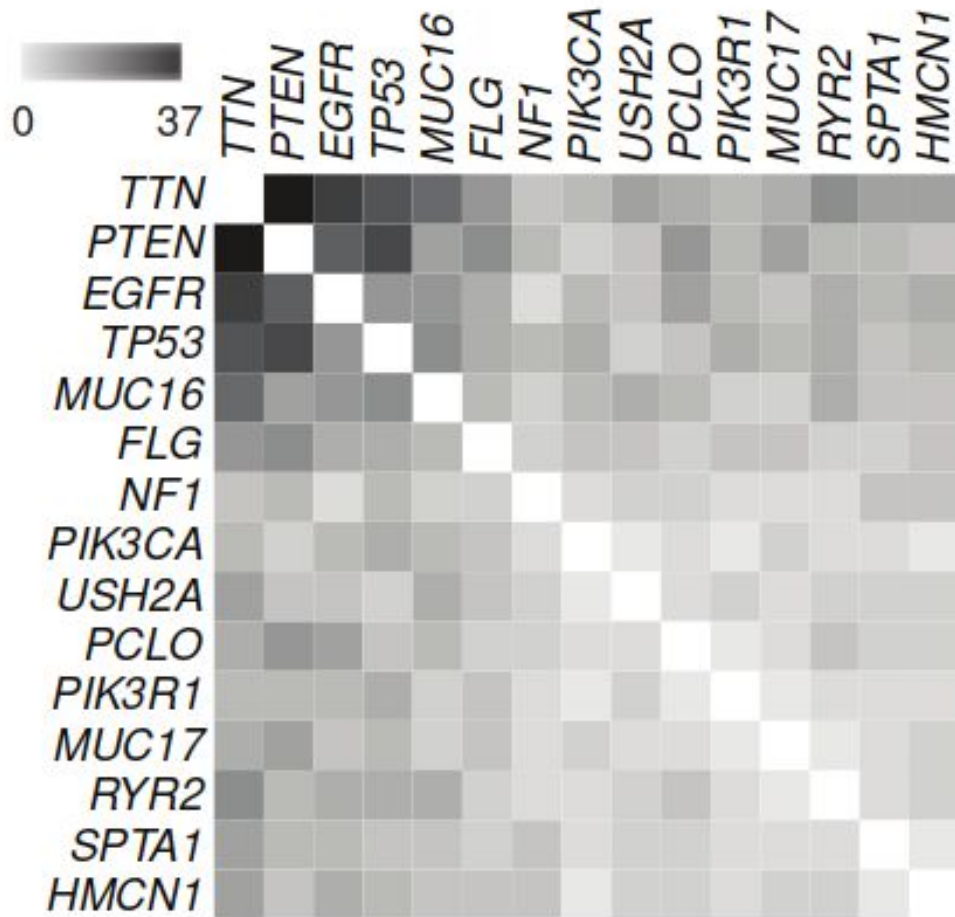
Name: Important Information about Fruit

Sets: 5

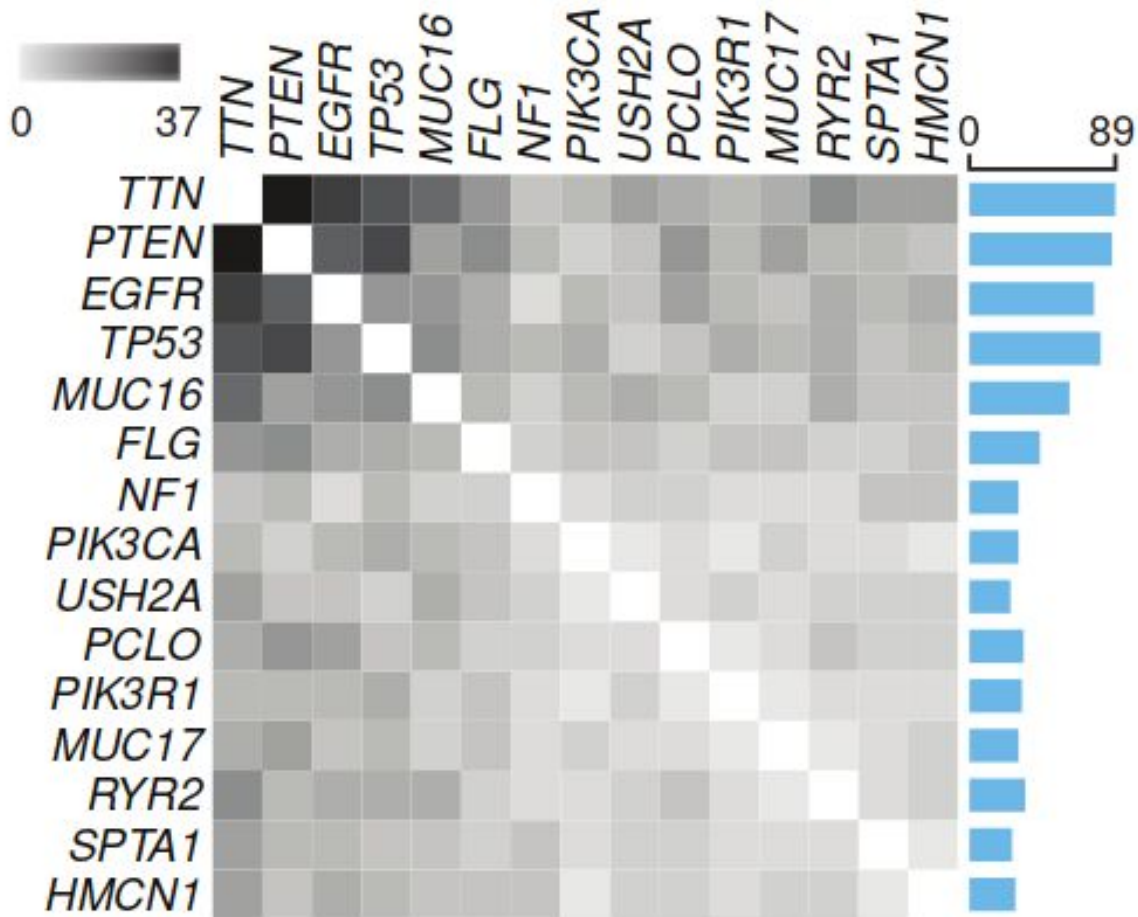
Attributes: 4

Elements: 10

Mapa ciepła

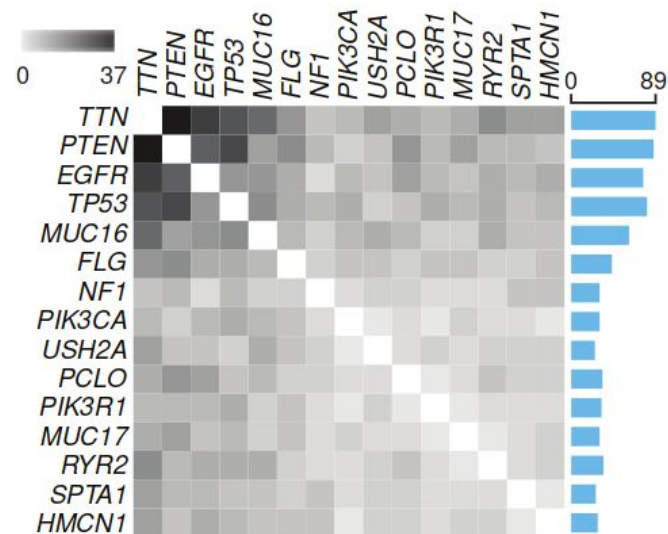
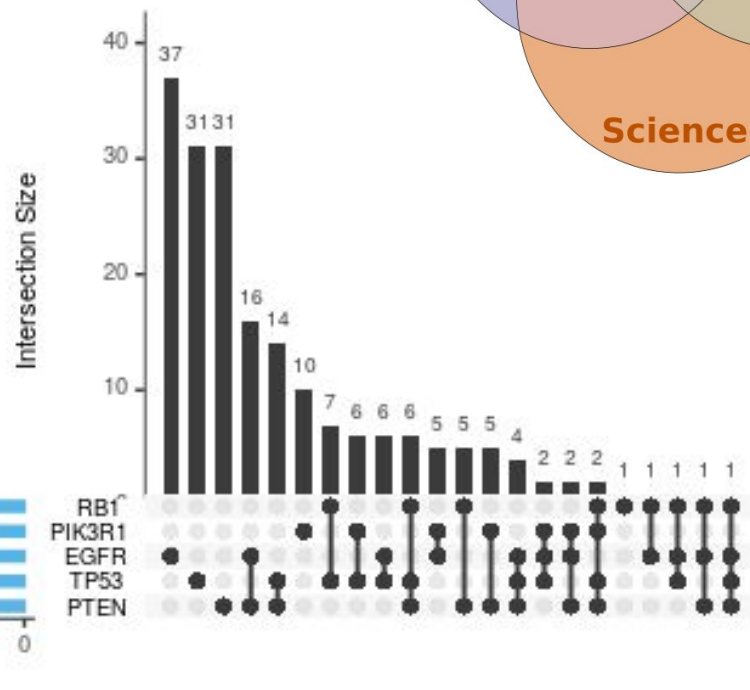


Mapa ciepła



Mapa ciepła

```
ggplot(data = gene_mutations,  
       aes(x = gene_a, y = gene_b)) +  
  geom_tile(aes(fill = intersection_size))
```



Na podstawie:

Lex & Gehlenborg, “Sets and Intersections”, Nature Methods 11, 779 (2014)