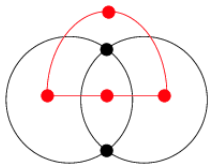
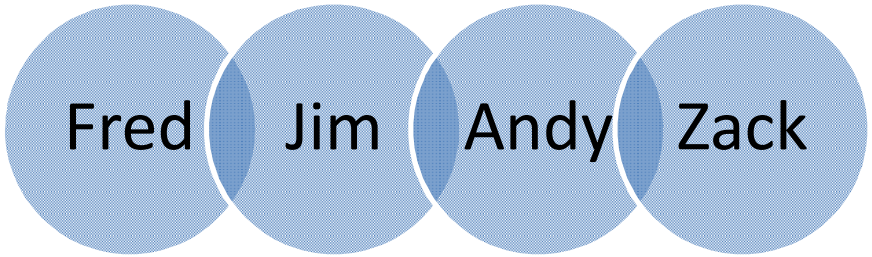
4. Overview of available tools

Here we list some useful and accessible software to generate Euler diagrams.



PowerPoint SmartArt

In Office 2007 choose Insert->SmartArt, then select a type of “Venn” diagram

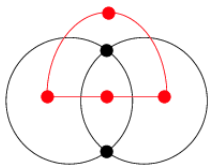


Pros:

- Easy to generate an Euler diagram

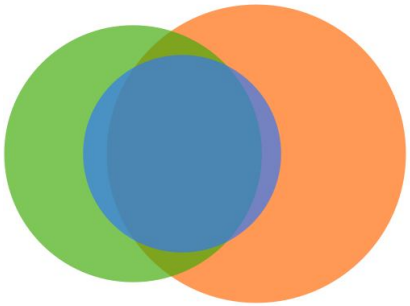
Cons:

- No way of taking an abstract description and generating a diagram: it is a manual process
- Limited layouts and circles only



Google Charts: Area proportional Venn-2 and Venn-3 (some Euler-3 as well)

http://chart.apis.google.com/chart?cht=v&chd=t:40,30,20,10,10,10,20&chs=500x500

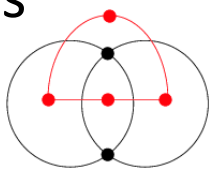


Pros:

- Google API is easy to access and use

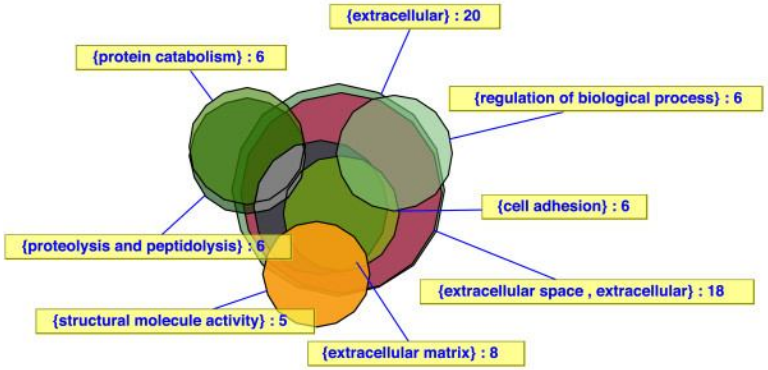
Cons:

- Not as good as some other Venn-3 methods



VennMaster

http://www.informatik.uni-ulm.de/ni/staff/HKestler/vennm/doc.html

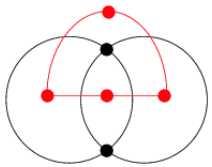


Pros:

- Takes any area specification
- Integrated into GoMiner

Cons:

- Produces inaccurate diagrams both in terms of the wrong zones and zone area
- Application specific



R package by Leyland Wilkinson

http://www.cs.uic.edu/~wilkinson/Publications/venneuler.pdf

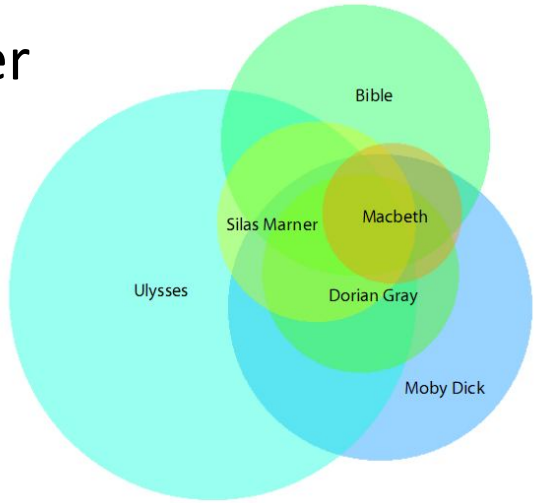
Claims to do better than VennMaster

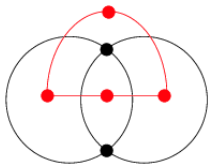
Pros:

- Takes any area specification
- Integrated into R

Cons:

- Still produces inaccurate diagrams





Vennerable – R Package

http://r-forge.r-project.org/projects/vennerable/

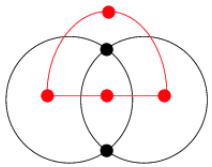
Another R based system, this time not restricted to circles

Pros:

- Takes any area specification up to 9 sets
- Integrated into R
- Open source

Cons:

- Still produces inaccurate diagrams
- Project has uncertain status



You have already seen these

General Embedding software by Rodgers et. al.

Area Proportional:

- Venn-2 software by Chow and Ruskey
- Approximate and Exact Venn-3 software by Rodgers et. al.