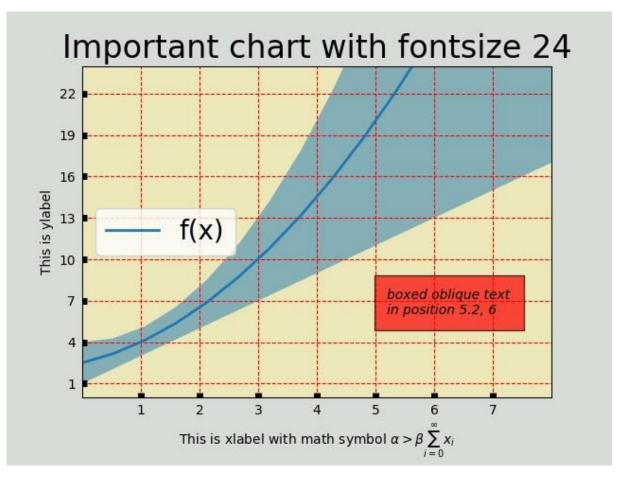
## List 1 - matplotlib basics

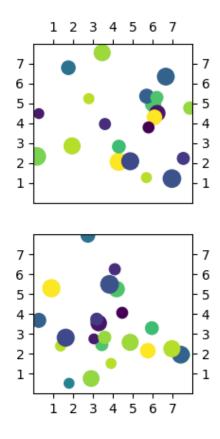
If you will not finish during the classes, finish at home before next classes.

Using matplotlib library try to recreate this chart



- Top line of blue area is given by formula  $y = 4 + x^2$
- Bottom line of blue area is given by formula y = 1 + 2 \* x
- Solid blue line is average of these two
- Ticks have width equal to 5

## • Using matplotlib library try to recreate this chart



- You should randomly plot 24 points in the area (0,8) x (0,8) with random sizes (between 50 and 200) and color
- To randomize location you can use np.random.normal()
- To randomize size and color you can use *np.random.uniform()*
- Check have ticks are looking like on the picture
- Both charts are squares set them like that in code, don't adjust after plotting