

## Orange puzzle: Can't have it all

**Question:** Many companies compete to hire employees using two tests, A and B. The company DataPi manages to attract people with quite high total scores in A and B combined, but they notice something surprising. The performances of their recruits in test A and B seem to have an overall negative relationship: The better they perform in A the worse they perform in B, and vice versa. How can this be explained?

**Hints:**

- Think about the whole pool of applicants applying for jobs.
- Think about other companies trying to hire the best applicants.
- Consider that some companies are more attractive than others.
- Sketch a plot of (hypothetical) test B scores versus test A scores and highlight the type of area from where *DataPi* recruits.
- Highlight the area in the plot from where the most attractive company would recruit.