# EXERCISE 1: ROBUST ESTIMATION AND NORMS

GCT722 MATHEMATICAL METHODS FOR VISUAL COMPUTING  
20183151 Chaelin Kim

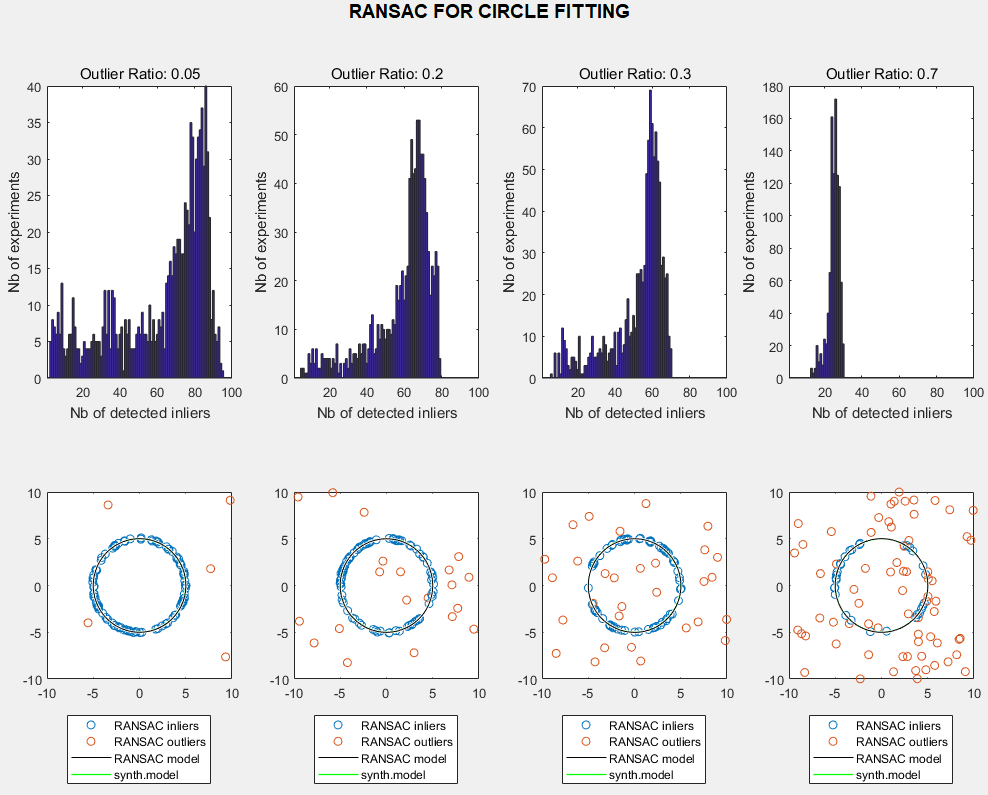
## PART 1: RANSAC FOR CIRCLE FITTING

**Questions**

* How many combinations (exhaustive search) exist for N = 100 points?
* What about the number of RANSAC iterations with r = 5%, 20%, 30% and 70%?
* What about when N = 10,000 points?

**Discuss the results**

**Screenshots**



## PART 2: IRLS AND NORMS FOR LINE FITTING

**Discuss the results**

**Screenshots**

