

# Range-based Searches

Consider points in 2D:  $\mathbf{p} = \{p_1, p_2, \dots, p_n\}$ .

Q: What points are in the rectangle:  
[  $(x_1, y_1), (x_2, y_2)$  ]?

Q: What is the nearest point to  $(x_1, y_1)$ ?

