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# N eighborhood A nalysis



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Describing  
Places

# Last Session

- Dplyr verbs
- Summary tables

# This Week

- Relational joins
- Recoding values using `case_when()`
- Developing policy-relevant summaries



UP494-AG: Neighborhood Analysis  
Fall 2021  
Learning Contract 0.9 (8.12.2021)

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## **Learning Contract**

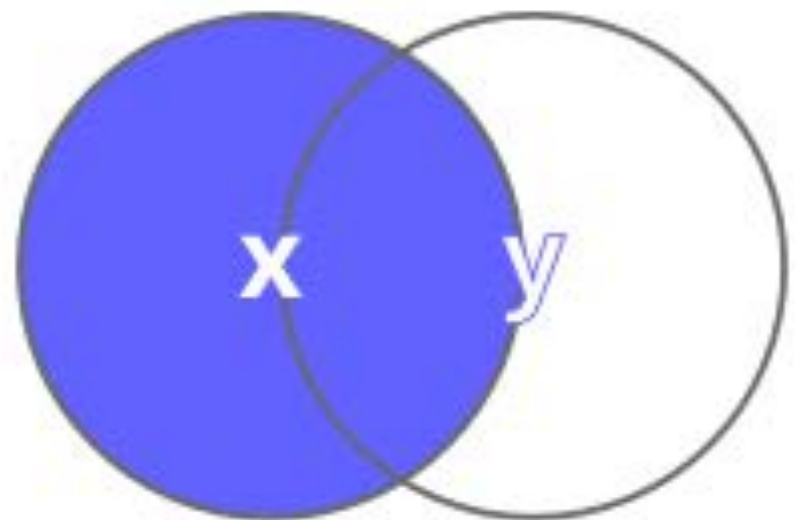
In Neighborhood Analysis, I agree to work towards a grade of \_\_\_\_\_. I have met with Professor Greenlee to discuss the details of this agreement on \_\_\_\_\_. Any changes to this agreement will require an updating of this contract in consultation with Professor Greenlee, and may must be made by October 29, 2021. In addition to meeting the following baseline requirements for the course, I would like to add the following learning and engagement goals (please add as many items and descriptions as you wish):

# Debrief - Last Week's Work

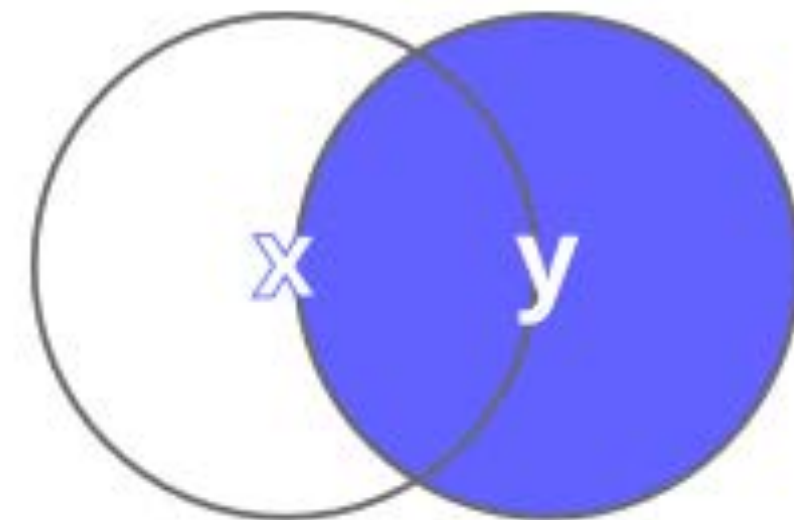


# Relational Joins

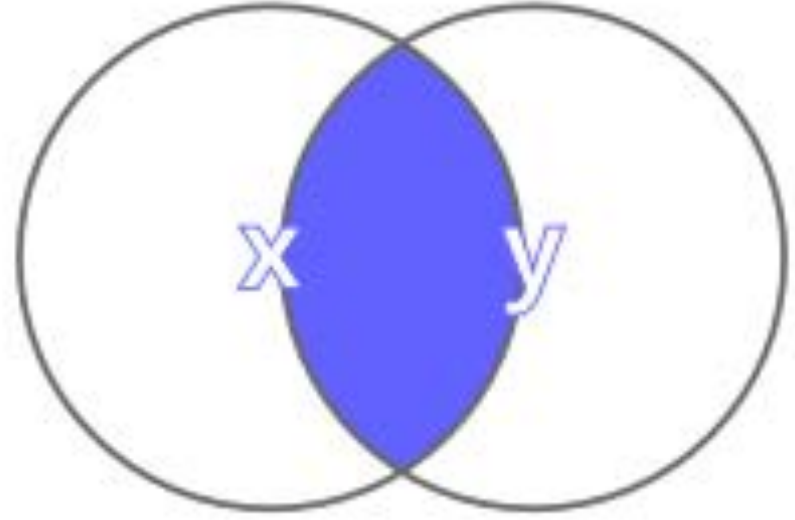
left\_join(x, y)



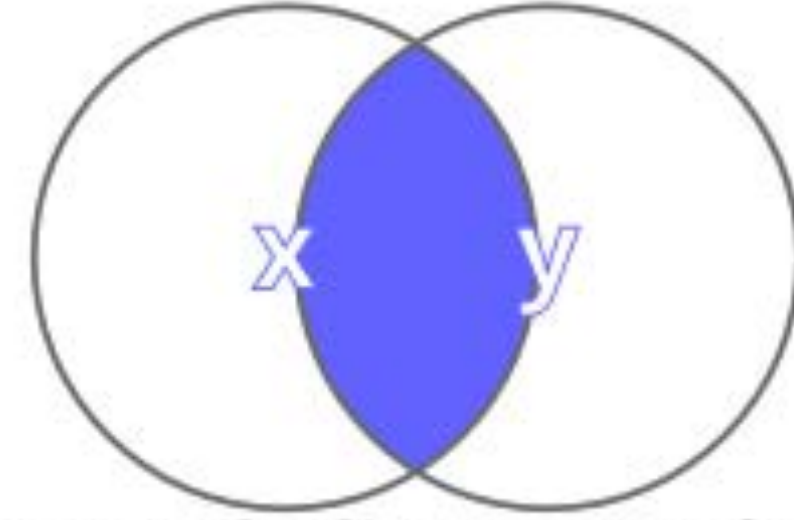
right\_join(x, y)



inner\_join(x, y)

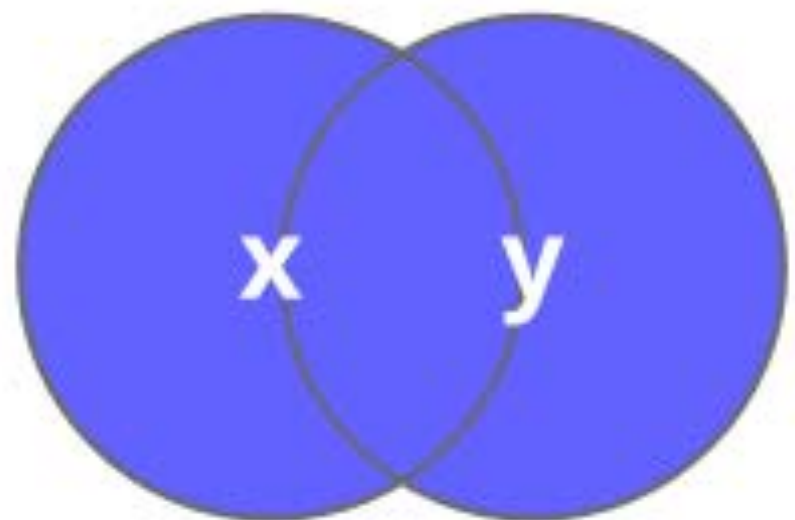


semi\_join(x, y)

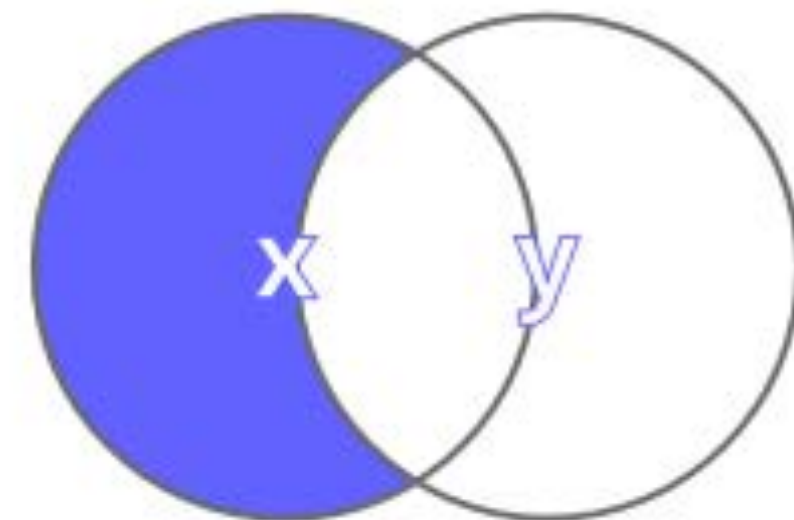


(never duplicate rows of x)

full\_join(x, y)

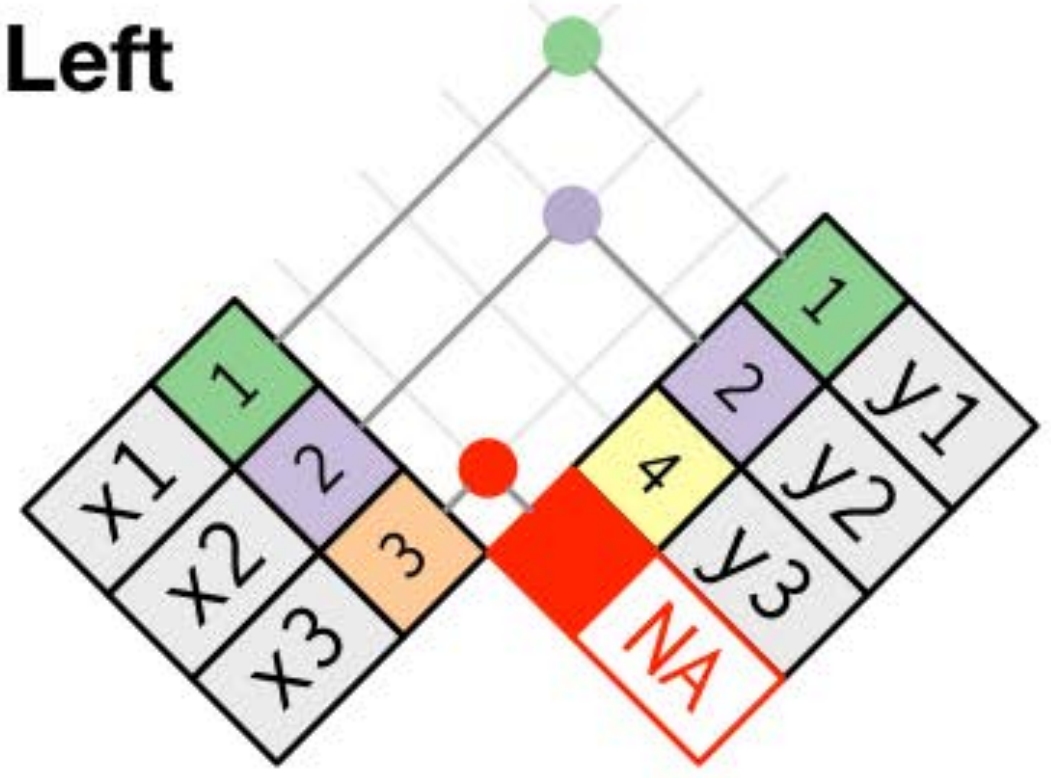


anti\_join(x, y)



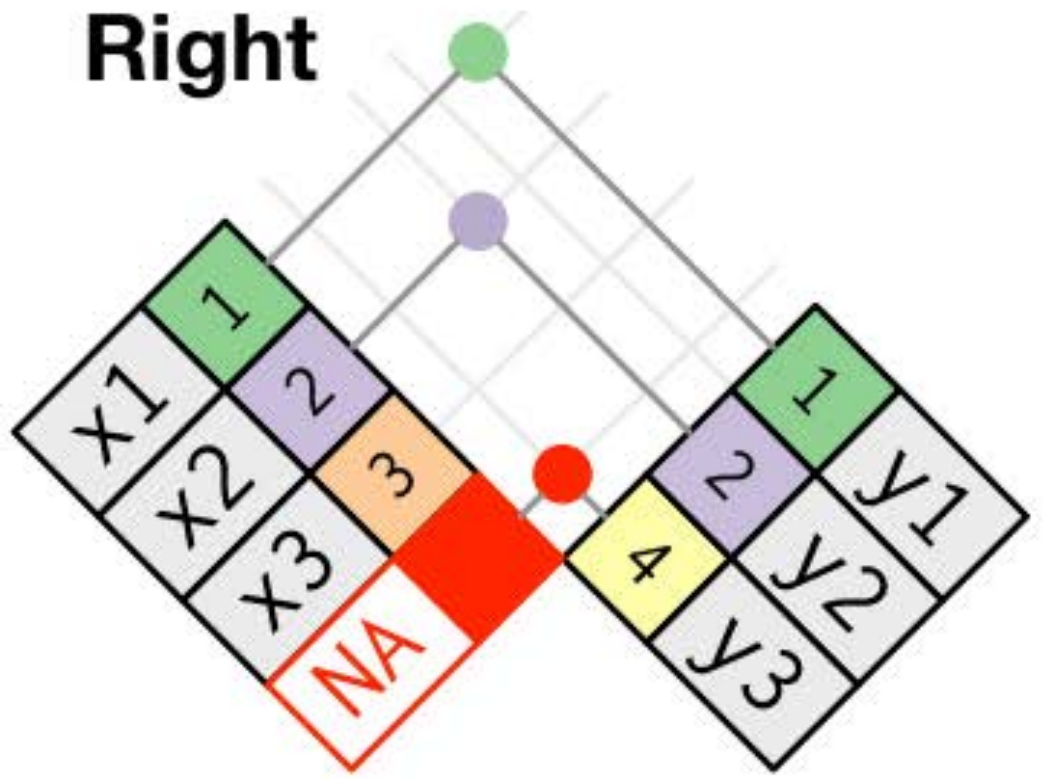
# Relational Joins

Left



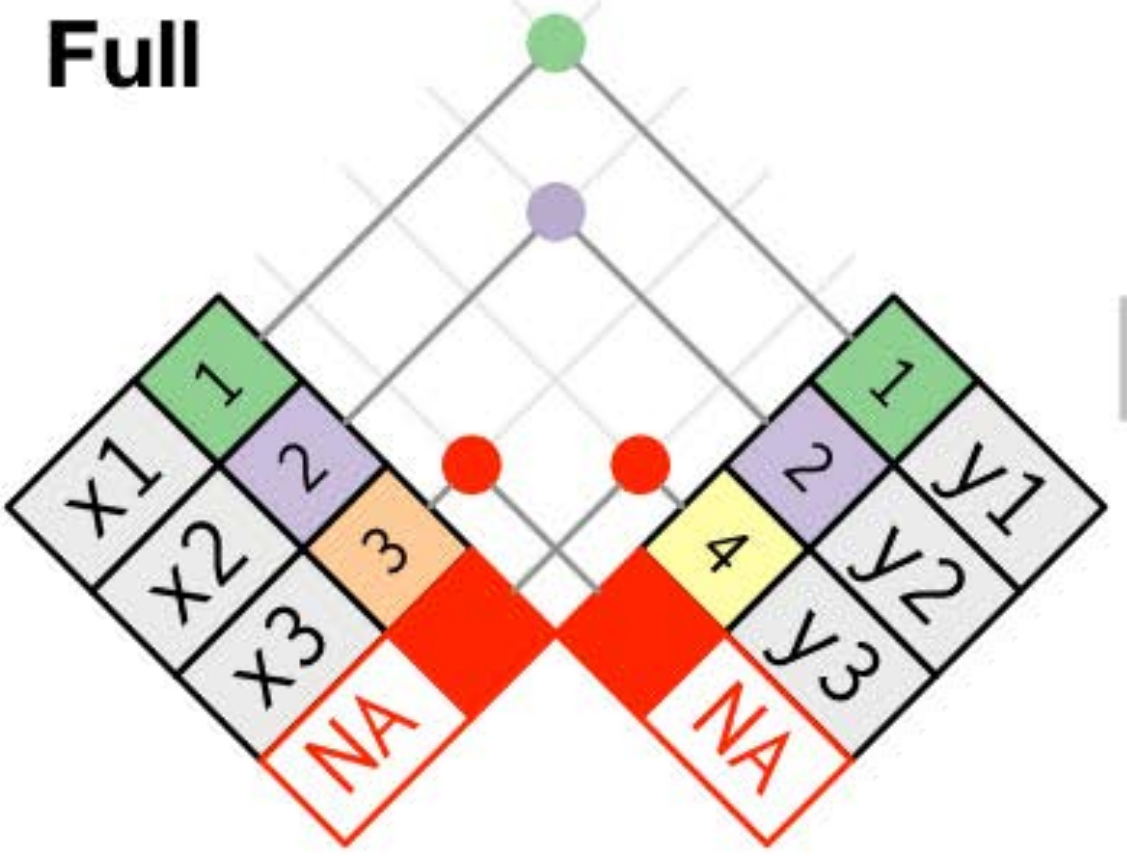
key	val_x	val_y
1	x1	y1
2	x2	y2
3	x3	NA

Right



key	val_x	val_y
1	x1	y1
2	x2	y2
4	NA	y3

Full



key	val_x	val_y
1	x1	y1
2	x2	y2
3	x3	NA
4	NA	y3





# Your Lab

- Introduces Joins
- Recode values
- Develop a policy-relevant story

# Questions

