- Name: 洪盛益
- Student ID: 40947047s

## Q1

- 1. Quantitative, Sequential, #5
- 2. Categorical, #4
- 3. Ordinal, Sequential, #3
- 4. Ordinal, Diverging, #2
- 5. Quantitative, Diverging. #6

## Q2

I delete row 144, 365, 391, 716 and 1128 because it seems the age of data is fake

- 1. Timestamp: Quantitative, 2014-08-27 11:29:31 -> 2016-02-01 23:04:31
- 2. Age: Quantitative, 5 -> 72
- 3. Gender: Categorical, 47
- 4. Country: Categorical, 47
- 5. State: Categorical, 46
- 6. Self\_Employed: Categorical, 3
- 7. Family\_History: Categorical, 2
- 8. Treatment: Categorical, 2
- 9. Work Interfere: Ordinal, 5
- 10. No\_Employees: Categorical, 6
- 11. Remote\_Work: Categorical, 2
- 12. Tech\_Company: Categorical, 2
- 13. Benefits: Categorical, 3
- 14. Care\_Option: Categorical, 3
- 15. Wellness\_Program: Categorical, 3
- 16. Seek\_Help: Categorical, 3
- 17. Anonymity: Categorical, 3
- 18. Leave: Ordinal. 5
- 19. Mental Health Consequence: Categorical, 3
- 20. Phys\_Health\_Consequence: Categorical, 3
- 21. Coworkers: Ordinal, 3

- 22. Supervisor: Ordinal, 3
- 23. Mental\_Health\_Interview: Categorical, 3
- 24. Phys\_Health\_Interview: Categorical, 3
- 25. Mental\_vs\_Physical: Categorical, 3
- 26. Obs\_Consequence: Categorical, 2
- 27. Comments: Categorical, 160

## **Q**3

A:

Mark of type point encodes item state Channel Luminance encodes attribute government benefits

■ B:

Mark of type area to encode district and year Channel Luminance encodes attribute homicides

• C:

Mark of type point to encode income

Channel hue encodes attribute categories of career