

Math 142: Wednesday, Aug 28th, Day 4 Notes

Agenda for Wednesday, Aug 28, 2024

Section 2.1 Frequency Distributions	2
Section 2.2 Graphs for Qualitative Data	3

Reminders

! Canvas Homeworks:

! Bring Laptop/device on Wednesday for Excel work

! Monday is off - Labor Day

● Office Hour **today 3:45-5pm** in C162

● **First Group Quiz** today at the end of class

◀ **Student Resource Fair** Thursday, August 29 from
11:30 a.m.-1:30 p.m. & 4:30-6 p.m. Student Commons/Student Street

Recall:

Section 2.1 Frequency Distributions - continued

Example 1. The weights (in pounds) of 30 newborn babies at Condell Hospital are listed below.

5.5 5.7 5.8 5.9 6.1 6.1 6.3 6.4 6.5 6.6

6.7 6.7 6.7 6.9 7.0 7.0 7.0 7.1 7.2 7.2

7.4 7.5 7.7 7.7 7.8 8.0 8.1 8.1 8.3 8.7

Make a grouped frequency distribution using 7 classes.

Class Limits	f

Extended frequency distribution

Class Boundaries	f	Midpoint	Relative f	Cumulative f

Section 2.2 Graphs for Qualitative Data

Three common graphs that are used to display qualitative data are pie charts, bar graphs, and Pareto charts.

- Bar graph
- Pareto graph
- Pie chart

Example 2. CLC 2022 Great Colleges to Work for survey results

Job Category	frequency	Relative Frequency
Adjunct Faculty	40	
Admin/Professional	76	
Classified	116	
Full-time Faculty	118	
Specialist	160	
Unspecified	39	

Example 3. Which graph should be used for the following data?

Characteristic/Category	Percent
Full-Time Students	40.9%
Students who intend to transfer to a 4-year educational institution	48.6%
Students under age 25	61%
Total	150.5%