## Math 310 - Dr. Miller - Activity #15: Experimental Probability - Fall 2024

An observer at the PT parking lot from 8:30-8:45am last Monday-Friday kept track of whether people parked in a commuter parking space versus a staff parking space. Here are the results of watching 150 cars:

Day of the week	Number of cars parking in commuter spaces	Number of cars parking in staff spaces	
Monday	20	4	
Tuesday	24	10	
Wednesday	16	12	
Thursday	25	8	
Friday	15	16	

Answer each question below as a **DECIMAL ROUNDED** to the nearest thousandth, showing work as needed. Each question is SEPARATE from the previous ones.

	1.	What is the probability	that a car	was observed	on Monday or	they parked i	n a staff space?
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2. What is the probability that a car was observed on Thursday and they parked in a commuter space?

3. What is the probability that a car was not observed parking in a staff space?

4. What kind of probability does this problem have us using?