

CSE422: Artificial Intelligence  
Quiz  
Fall 2024

Day	Result	Study	Emotion
1	Pass	Yes	Happy
2	Fail	Yes	Sad
3	Pass	Yes	Happy
4	Pass	Yes	Happy
5	Fail	No	Sad
6	Pass	No	Happy
7	Fail	No	Sad
8	Pass	No	Happy
9	Pass	Yes	Sad
10	Fail	No	Sad
11	Fail	No	Sad
12	Pass	Yes	Happy
13	Fail	No	Happy

- Determine  $P(\text{Pass and Sad and Yes})$
- Determine  $P(\text{Happy})$
- Determine whether Fail is Independent of Sad if someone has studied.