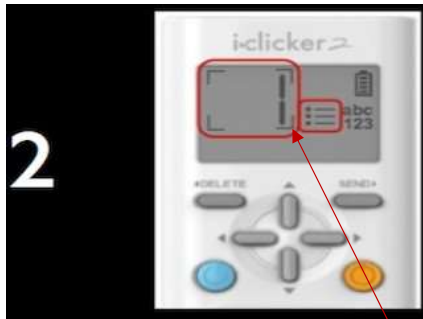


Clicker Help in Readiness Assessment



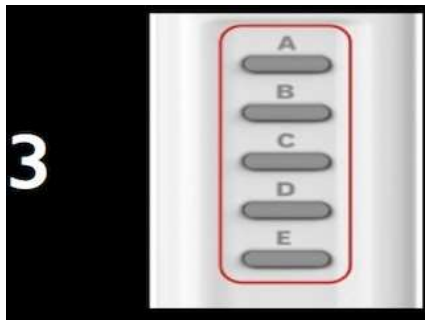
Syncing to the Quiz

You should see this screen once I press the RA clicker start button (I'll tell you when). If not, press the **blue refresh button!**



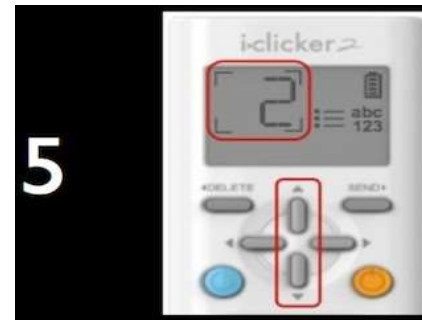
Reviewing/Changing your Answer

The most recent letter you chose should show up here. If you want to change your answer, just press the letter you want. My iclicker box stores your most recent letter you pressed for that number.



Submitting your Answer

Select the **letter** you want to pick for the number shown here.



Moving to Other Questions

Press the **up button** to go to higher numbers. Press the **down button** to go lower numbers.

Important Reminder

for Scratch Cards and Application Exercises

Accurately taking group attendance on the scratch cards and application exercises is part of your participation grade!

Correct Name Format

Group Name: "Stats IS FUN"

Present Group Members:

- Amy Lastname
- Barry Lastname

Absent Group Members:

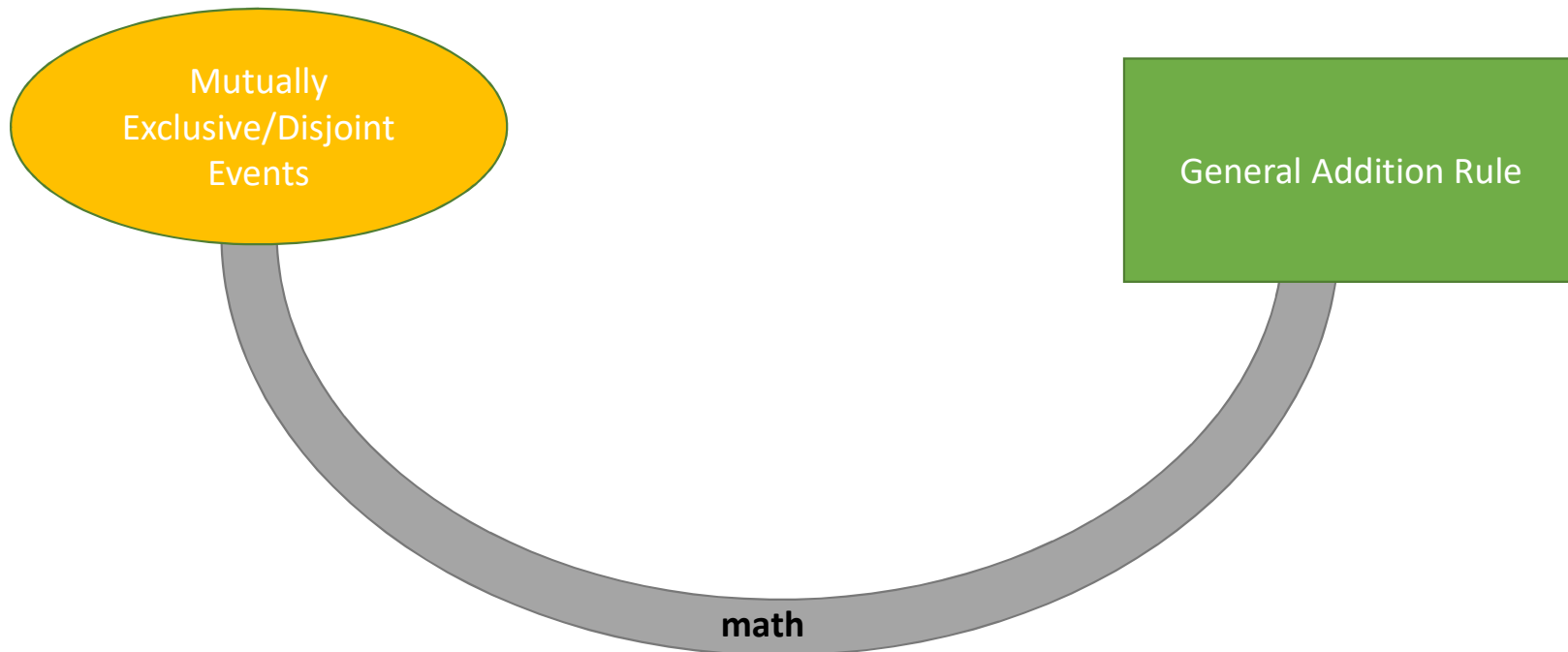
- Missing Mary
- Absent Albert

Incorrect Name Format

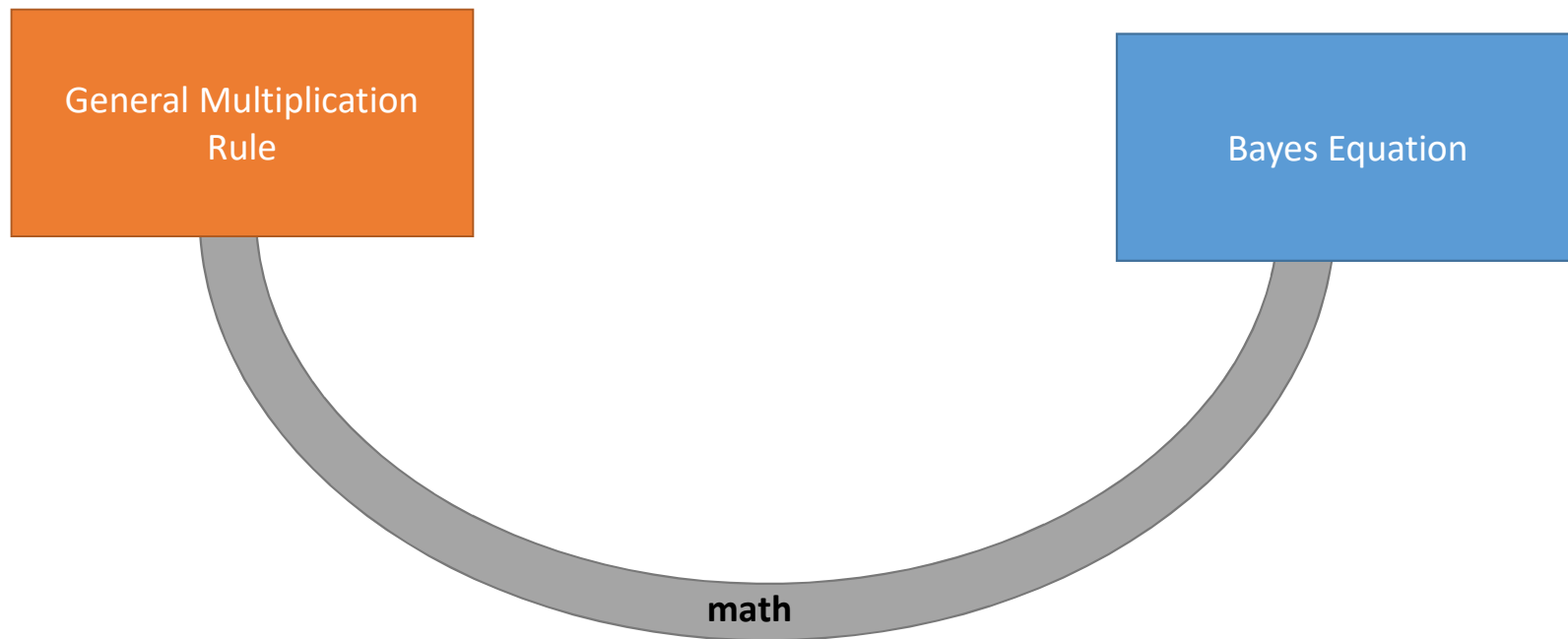
"Stats IS FUN"

- Amy Lastname
- Barry Lastname
- Missing Mary
- Absent Albert

How are **Mutually Exclusive/Disjoint Events** and the **General Addition Rule** related?



How are **Bayes Equation** and the **General Multiplication Rule** related?



**Need help?
Confused about
something?
Come stop by
office hours!**



Office Hours

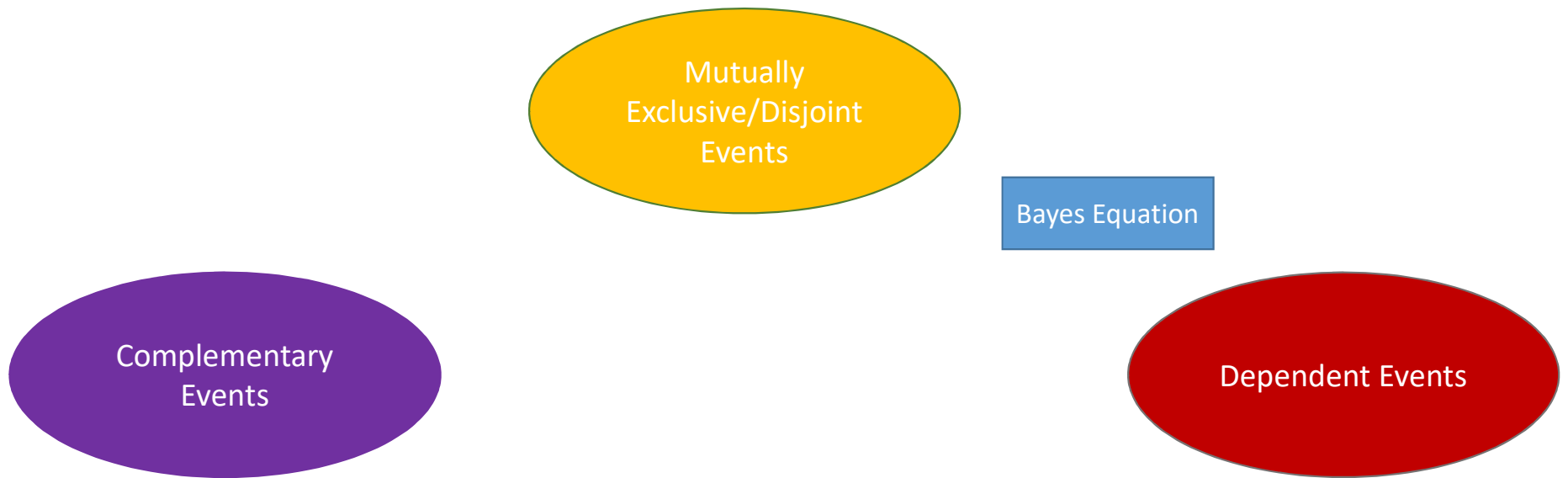
Instructor Office Hours: Tuesdays 2:00pm-4:00pm Old Chemistry 208A

TA Office Hours:

TA	Time	Location
Sibora Seranaj	Monday 9 - 11 am	Old Chem 203B
Austin Jia	Monday 2 - 4pm	Old Chem 203B
Valerie Roberts	Monday 6:30 - 8:30pm	Old Chem 025
Morgan Bird	Monday, 5:00 - 7:00pm	Old Chem 025
Melanie Lai Wai	Tuesday 8:30 - 10:30am	Old Chem 203B
Ed Tam	Tuesday 12pm - 2pm	Old Chem 203B
Samantha Morales	Tuesday 3:30-5:30pm	Old Chem 203B
Brian Jiang	Tuesday 6:00-8:00pm	Old Chem 203B
Rose Graves	Tuesday 7-9pm	Old Chem 203B
Junette Yu	Wednesday 11:00-1:00pm	Old Chem 203B
Eduardo Coronado	Wednesday 5 - 7pm	Old Chem 025
Tess Chandler	Thursday 3-4pm	Old Chem 203B
Mark Sampson	Thursday 6:00-8:00 pm	Old Chem 025
Vanessa Alwan	Friday 8-10am	Old Chem 203B
Tess Chandler	Friday 12-1pm	Old Chem 025
Lavonne Hoang	Friday 2-4 pm	Old Chem 203B
Tessa Johnson	Friday 5:30-7:30 pm	Old Chem 025

<https://www2.stat.duke.edu/courses/Spring19/sta101.001/officehours.html>

How do complementary, mutually exclusive/disjoint, and dependent events relate?



How do we calculate **conditional**, **marginal**, and **joint** probabilities with a contingency table?

	no, eligible but didn't	no, not eligible	yes	total
first-year	3	38	3	44
sophomore	10	40	14	64
junior	7	6	41	54
senior	4	1	9	14
total	24	85	67	176

Need help? Confused about something? Ask on Sakai!

The screenshot displays the Piazza Q&A interface for a course. On the left is a navigation sidebar with options: Overview, Announcements, Syllabus, Calendar, Email, Drop Box, Resources, Assignments, Gradebook, Statistics, Site Info, Tests & Quizzes, Piazza (selected), and Help. The main content area is titled 'piaZZA' and includes a search bar and a 'New Post' button. Below this is a list of posts, with the top one highlighted in yellow: 'Flipped Class Tip' with the text '<p>When going through the videos, make a list of questions you don't understand. Bring these questions to class, lab, or office hours and '. The right side of the interface shows the 'Post Type' selection (Question, Note, Poll/In-Class Response), 'Post to' options (Entire Class, Individual Student(s) / Instructor(s)), and 'Select Folder(s)' (hw1 through hw10, project, exam, logistics, other). The 'Summary' field contains 'Flipped Class Tip' and the 'Details' field contains the text: 'When going through the videos, make a list of questions you don't understand. Bring these questions to class, lab, or office hours and reach out to Dr. Ellison, one of the TAs, or your classmates to get them answered!'. The user's name, Victoria Ellison, is visible in the top right corner.

How do we determine if two events are dependent or independent?

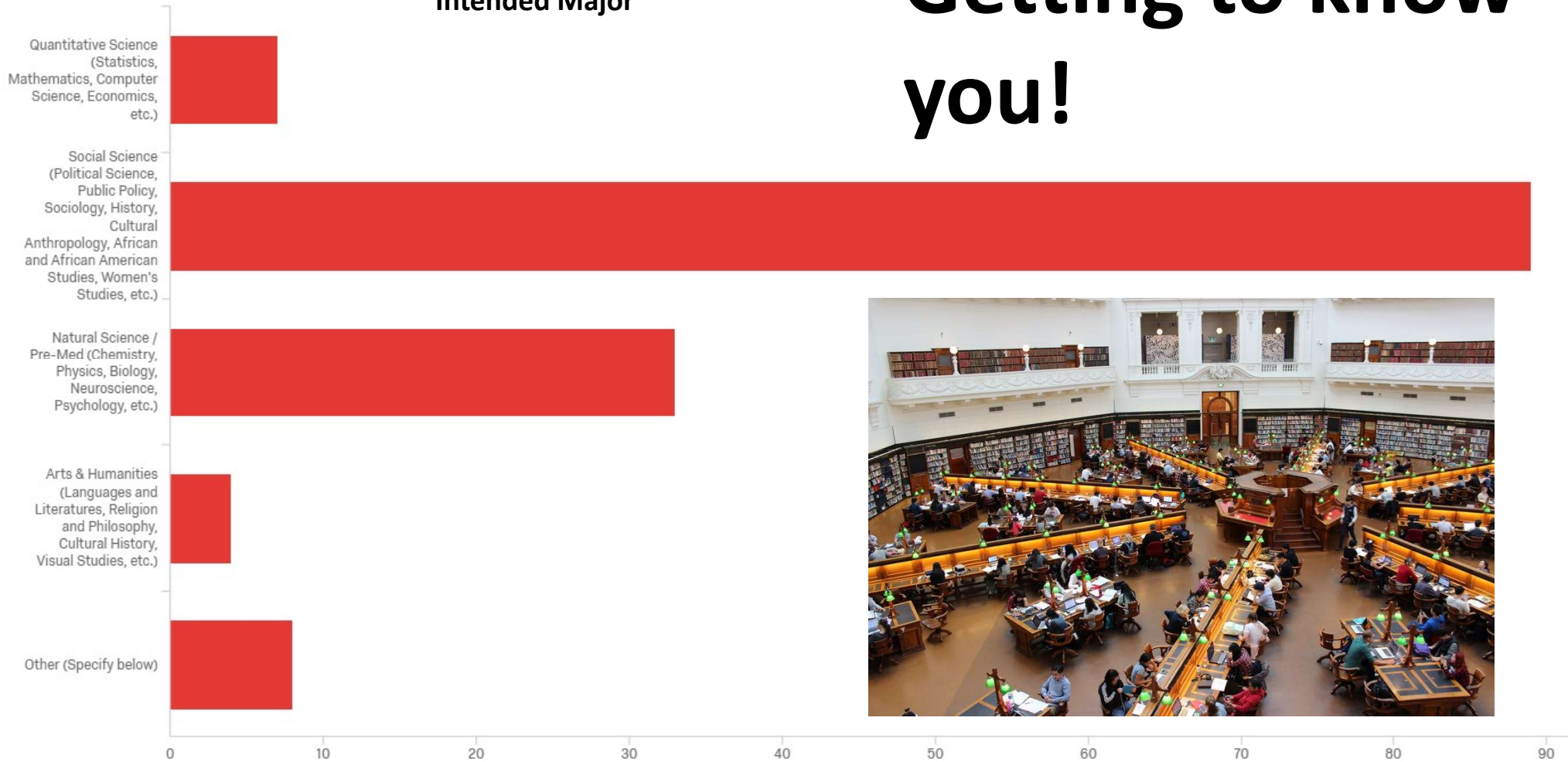
	no, eligible but didn't	no, not eligible	yes	total
first-year	3	38	3	44
sophomore	10	40	14	64
junior	7	6	41	54
senior	4	1	9	14
total	24	85	67	176

How do we determine if two categorical variables (in a dataset) are dependent/associated/related or independent/not associated/not related?

	no, eligible but didn't	no, not eligible	yes	total
first-year	3	38	3	44
sophomore	10	40	14	64
junior	7	6	41	54
senior	4	1	9	14
total	24	85	67	176

Getting to know you!

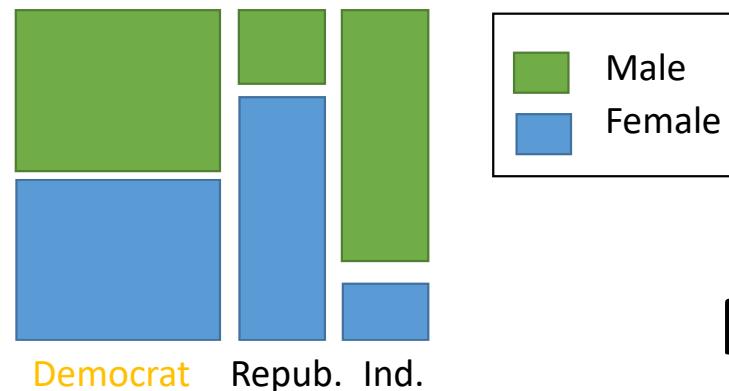
Intended Major



Being **female** and **democrat** are independent events.

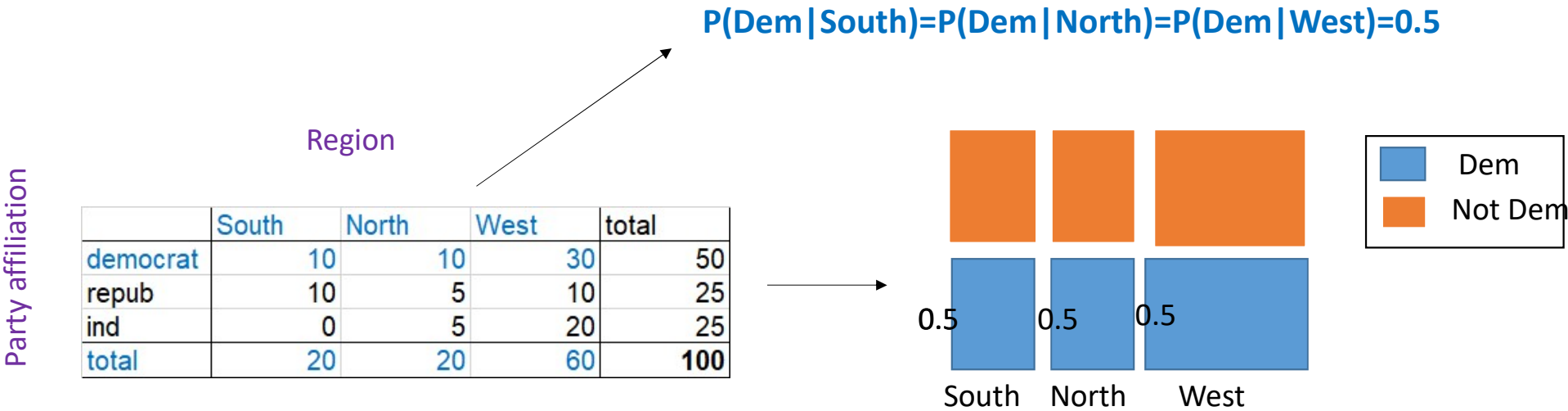
Are **gender** and **party affiliation** independent variables?

		Gender		total
		female	male	
Party affiliation	democrat	25	25	50
	repub	20	5	25
	ind	5	20	25
	total	50	50	100



No!

Are **Region** and **Being/Not Being a Democrat** independent variables (in the data)?



Yes!

Are **Region** and **Party affiliation** independent variables (in the data)?

Party affiliation

Region

	South	North	West	total
democrat	10	10	30	50
repub	10	5	10	25
ind	0	5	20	25
total	20	20	60	100

$P(\text{Dem} | \text{South}) = P(\text{Dem} | \text{North}) = P(\text{Dem} | \text{West}) = 0.5$



No!