

Math 211

1/28/2025

Agenda

1. Quiz
2. Announcements
3. Annotating your Python Reference
4. From ideas to code goals
 - a. Use different Table functions to access any cell(s), row, or column in a table
 - b. Understand/identify data types of outputs
5. Maybe Lab and Homework time

Amapola's Hours Added to Our Canvas Homepage

Course Meeting Details

Location: Bldg 8, Rm 8-304

Tuesday: 12:35 PM - 1:50 PM (Lecture)

Tuesday: 2:00 PM - 3:15 PM (Lab)

Thursday: 12:35 PM - 1:50 PM (Lecture)

Thursday: 2:00 PM - 3:15 PM (Lab)

Professors:

Bryan Swartout (swartoutb@smccd.edu)

Denise Hum (humd@smccd.edu)

Office Hours:

11:30 AM - 12:30 PM

- Denise on Tuesdays

- Bryan on Thursdays

in Room 7-324, the Math Study Area

Ask Amapola Questions & Get Help

- Tuesdays & Thursdays 3:30 - 5 pm in the STEM Center, Bldg 7, 3rd Floor

- Tuesdays & Thursdays 9:30 - 10:30 am in the Learning Center, Bldg 5, 1st Floor

Science in Action – today at 4:30 pm on Zoom

<http://bit.ly/SiA>

A promotional poster for a 'Science in Action' event. The background is dark blue with abstract pink and blue circular patterns in the corners. At the top left is a white icon of a lightbulb with gears inside. The title 'SCIENCE IN ACTION' is in white and red text. Below it is a red horizontal bar. In the center is a circular portrait of Jackson Filosa, a young man with dark hair wearing a blue plaid shirt. To the right of the portrait, his name 'Jackson Filosa' is in red, followed by 'Data Scientist at PwC' in smaller white text. Below that is the event title 'Impact Stats: Use Data to Make Better Decisions, Solve Problems, and Make Money' in white. The date and time 'Tuesday, January 28th 4:30 - 5:30 PM' are in red. At the bottom left, 'Join us!' is in red, followed by 'In Person: BLDG 8, RM 8-302' in white. To the right is a white location pin icon. Below the location pin is a QR code and the text 'Virtual: Scan the QR Code or use link bit.ly/SiA' in white.

 **SCIENCE IN
ACTION**



Jackson Filosa
Data Scientist at PwC

**Impact Stats: Use Data to Make
Better Decisions, Solve Problems,
and Make Money**

**Tuesday, January 28th
4:30 - 5:30 PM**

Join us!

In Person:
BLDG 8, RM 8-302



Virtual:
Scan the
QR Code
or use link
bit.ly/SiA



Unknown Friends & Family

Please identify your friends & family members (from the class survey) so that you can earn credit.

<https://docs.google.com/spreadsheets/d/1LC8djW-hGUOEz0beUkeANamEqvtCg0F0KK6UxfKOJ8k/edit?usp=sharing>

Get out your Python References

Let's annotate it

<code>tbl.labels</code>	6	Lists the column labels in a table	None	array : the names of each column (as strings) in the table
<code>tbl.select(col1, col2, ...)</code>	6	Create a copy of a table with only some of the columns. Each column is the column name or index.	string or int : column name(s) or index(es)	Table with the selected columns

This is *not* a coding class

We are using coding as a *tool* to analyze data

Let's get into groups and start thinking and discussing

So far we have learned about the Table functions `take`, `select`, `column` and how items in an Array are indexed. Our goal is to put these ideas and functions together to find out values in any cell, row, or column of data in our datasets.

With your groups, discuss and write your ideas on the whiteboard

1. What are some differences between the `select` and `column` functions?