Name _____

Period ____

Opening Somebody Else's File

Today you open three years of one real file, VDOT's Arlington traffic counts, and find what breaks each time.

What you submit in Canvas: Classwork 1, 10 points In Canvas: your file's link, then this sheet or a screenshot of it.

- **2** A MY CSV tab: your Cycle 1 CLEAN tab, out as a CSV and back in
- **3** Tabs named 2021, 2022 and 2023, each imported
- **4** Q1 to Q8 on this sheet
- **1** The exit ticket

Step 1: Your CLEAN tab, as a CSV

1. Open your Cycle 1 project file. Click the **CLEAN** tab.
2. **File > Download > Comma-separated values (.csv)**. Keep this file: you will use it again in January.
3. Open Google Sheets. Click **Blank spreadsheet**.
4. Click **Untitled spreadsheet**. Type: Lastname - L15 three files.
5. **File > Import > Upload > Browse**. Pick the CSV you just downloaded.
6. **Import location: Insert new sheet(s)** > **Import data**.
7. Right-click the new tab > **Rename** > MY CSV.

Rows of data: the last row number, minus 1 for the header row.

Q1 Rows of data on CLEAN: _____ On MY CSV: _____

Q2 Name two things your project file has that the CSV dropped.

Step 2: The 2023 file

1. In Canvas, today's module: download the three files that start L15-VDOT-traffic.
2. In your L15 file: **File > Import > Upload > Browse** > **L15-VDOT-traffic-2023.csv**.
3. **Insert new sheet(s)** > **Separator type: Detect automatically** > **Import data**.
4. Right-click the new tab > **Rename** > 2023.
5. Click the **Name box**, left of the formula bar. Type AC1. Press **Return**.
6. Type: `=COUNTA(A:A)-1` Press **Return**.

Q3 The header row is row ____. Rows of data: _____. The first column is called _____.

Step 3: The 2022 file

1. **File > Import > Upload > Browse** > **L15-VDOT-traffic-2022.csv**.
2. **Insert new sheet(s)** > **Separator type: Comma** > **Import data**.

Q4 Cell A3 holds _____. Between the values this file puts _____.

3. Right-click that tab > **Delete** > **OK**.
4. Import **L15-VDOT-traffic-2022.csv** again: **Insert new sheet(s)** > **Separator type: Custom**.
5. Type | in the box: **Shift** and \, the key above Return. **Import data**.
6. Right-click the new tab > **Rename** > 2022.
7. Click the **Name box**. Type BB1. Press **Return**.
8. Type: `=COUNTA(A:A)-3` Press **Return**.

Q5 The header row is row ____. Row 1 holds _____ and row 2 _____. Rows of data: _____.

Step 4: The 2021 file

1. **File > Import > Upload > Browse** > **L15-VDOT-traffic-2021.xlsx**.
2. **Insert new sheet(s)** > **Import data**.
3. Right-click the new tab > **Rename** > 2021.
4. Click cell A1. Press **Command-Down arrow** three times: row 5, row 7, then the last row.
5. Click the **Name box**. Type AS1. Press **Return**.
6. Type: `=COUNTA(A8:A)-1` Press **Return**.

Q6 Rows 1 to 5 hold _____. The header row is row _____. The last row says _____. Rows of data: _____.

Step 5: Compare the three years

The street column is the one with street names, like Patrick St.

YEAR	HEADER ROW	ROWS OF DATA	FIRST COLUMN	THE STREET COLUMN
2021	_____	_____	_____	_____
2022	_____	_____	_____	_____
2023	_____	_____	_____	_____

Q7 Could you stack the three tabs into one table as they are? What would you fix first?

Q8 Rows, 2021 to 2023: (_____ − _____) ÷ _____ × 100 = _____ %

Did Arlington get that many more roads? How do you know?

Exit ticket.

After every import, check three things:

One thing a CSV keeps and one thing it drops:

Step 6: Submit it

1. In your L15 file: **Share** > **General access** > **Arlington Public Schools** > **Viewer** > **Copy link**.
2. In Canvas, open **Classwork 1: L15 three files**. **Start Assignment** > **Website URL** > paste > **Submit Assignment**.
3. Then submit this sheet, or a screenshot of it, to the same assignment.