

VBA Report Automation Script

This project showcases a VBA script I developed to automate a complex Excel reporting workflow. The script performs a multi-step process that includes:

- Deleting unnecessary “filler” columns and rows
- Applying a counselor filter and deleting specific rows based on filter criteria, then clearing filters
- Applying a state filter and deleting specific rows based on filter criteria, then clearing filters
- Adding a custom “Notes” column
- Writing a robust VLOOKUP formula with built-in logic to handle edge cases and variations in report size
- Converting the VLOOKUP-generated notes to static values, ensuring the report remains stable and editable without breaking formulas
- Sorting the notes column in desired fashion to make the report ready for use and analysis

This process used to take approximately 2 minutes when performed manually. The final macro now completes all actions automatically in about **9 seconds** with a single script execution.

Note: This automation was developed in a professional workplace setting using real data on a secured work computer. Due to confidentiality and company policy, I’m unable to share the actual code or screenshots. However, I’d be happy to walk through the logic and workflow in detail during an interview.