

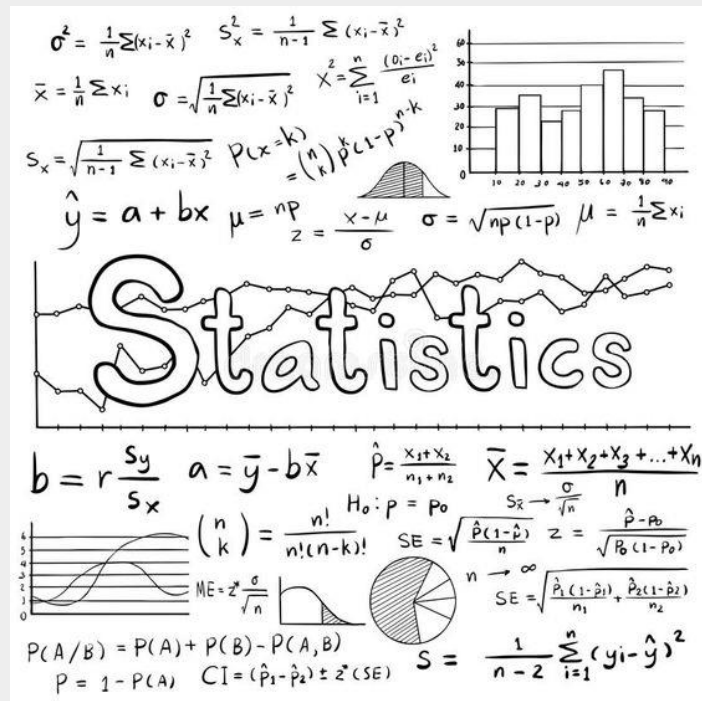
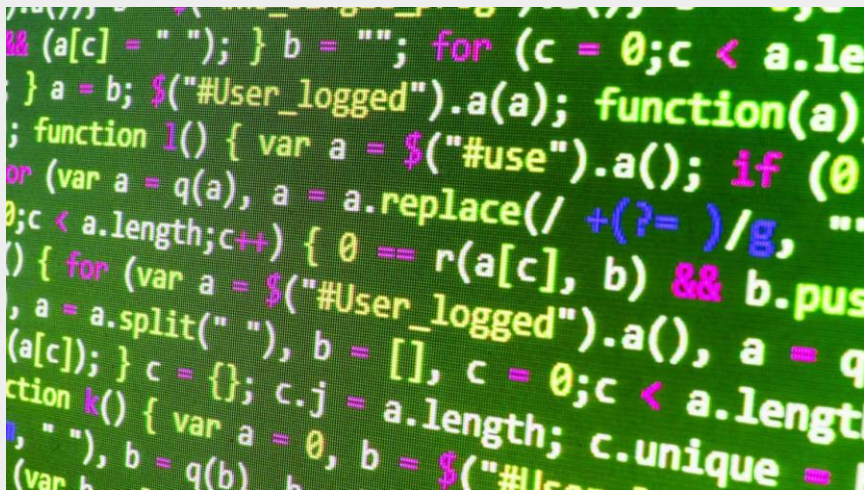


# ATLAS Final Presentation

By: Ihor

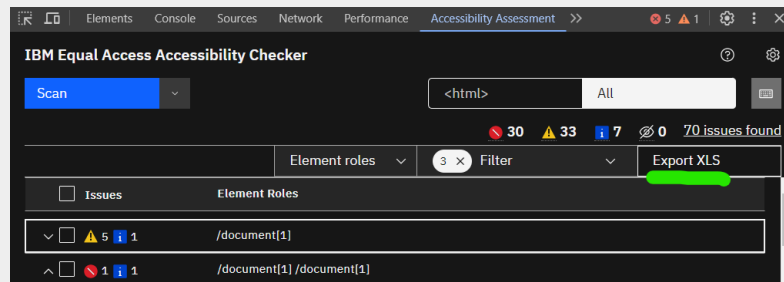
# About Me

- I'm Ihor
- Statistics major
- First time in ATLAS program
- Documentation and training intern



# Project Motivation

- Web accessibility is a huge priority
- Old tool FAE discontinued
- New replacement by IBM
- Very bad at summarizing



## Run FAE

The Functional Accessibility Evaluator (FAE) is **no longer supported** and cannot be used to generate new reports. After almost 19 years there are no longer the resources to update the service to the new requirements in WCAG 2.1 and 2.2.

- Automated summary reports?

# How It Works

Enter a URL, crawler navigates

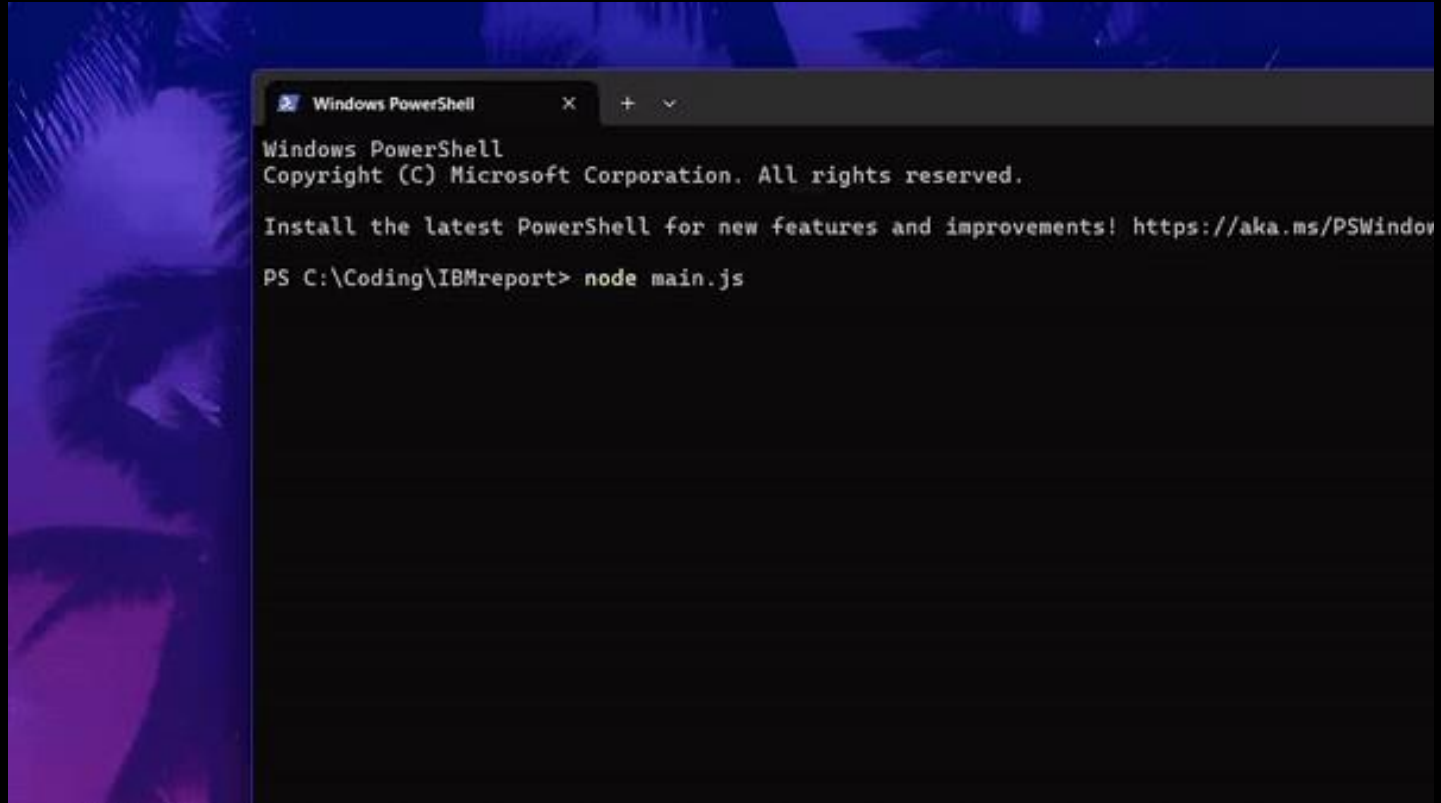
Page gets processed, data extracted

Report is generated based on data



```
let options = {  
  URL: 'https://atlas.illinois.edu/',  
  Sitemap: 'false',  
  Temp: 'false',  
  Output: `C:\\Users\\isaly\\OneDrive\\Desktop`  
};
```

# Demo: Remove Temp Folder



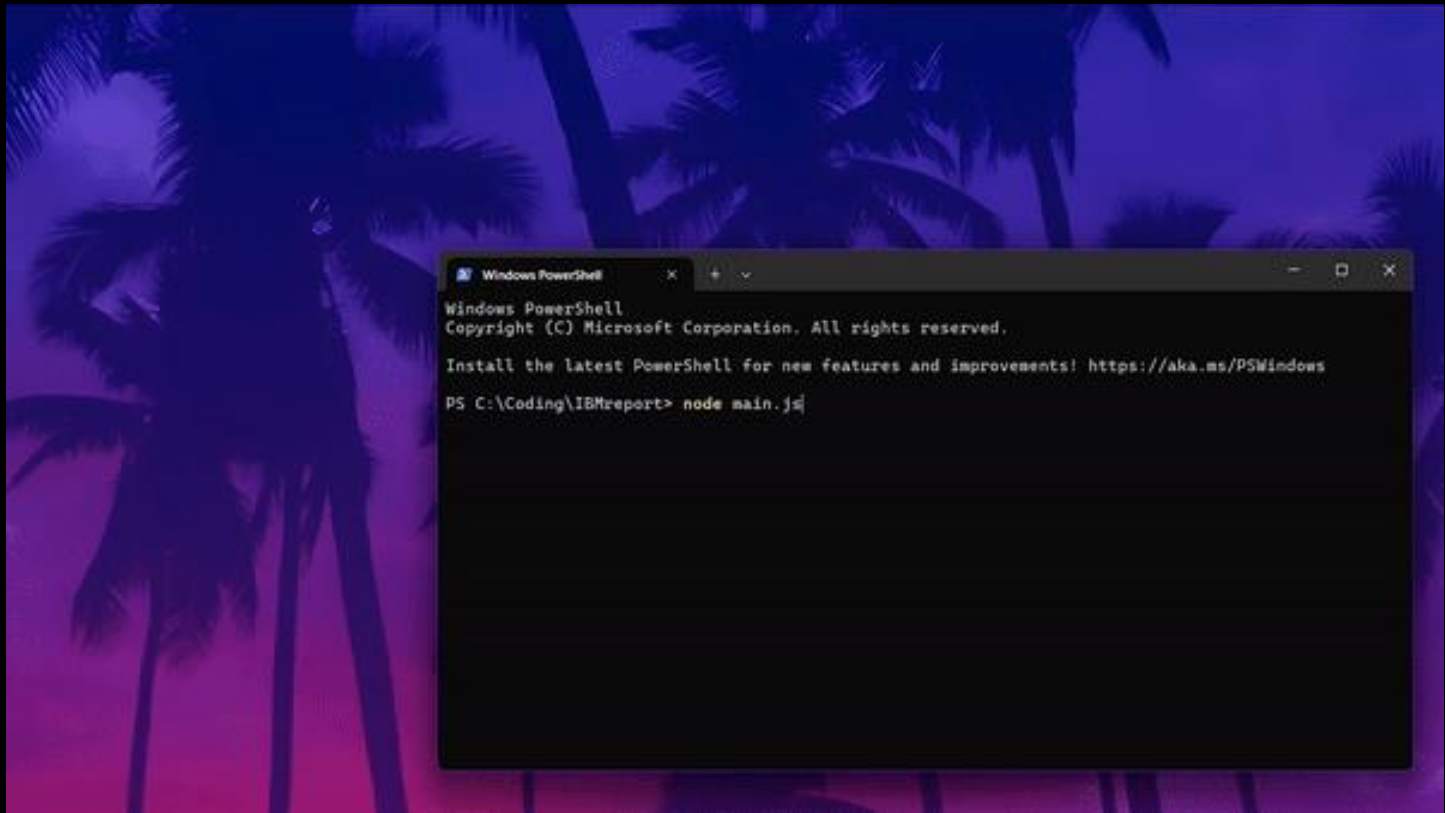
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Coding\IBMreport> node main.js
```



# Demo: Sitemap



# Goals and What I Learned

## Goals:

- Data Manipulation / Visualization
- Improve at Programming
- Communication Skills

## What I Learned:

- Advanced Automation
- Asynchronous Programming
- Polyglot Programming



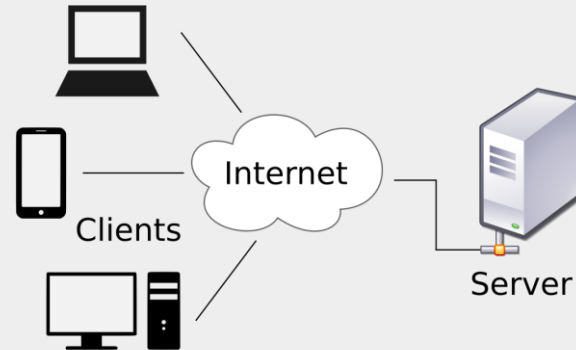
# Conclusion

## Outcomes:

- Created versatile, useful application
- Gained professional expertise

## Next Steps:

- Host code on a server
- Fix bugs







**Thank You For Your Time**