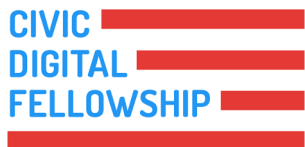


Automating Detailed Income Table Checks in the Current Population Survey, Annual Social & Economic Supplement (CPS-ASEC)

Demographic Directorate (ADDP)

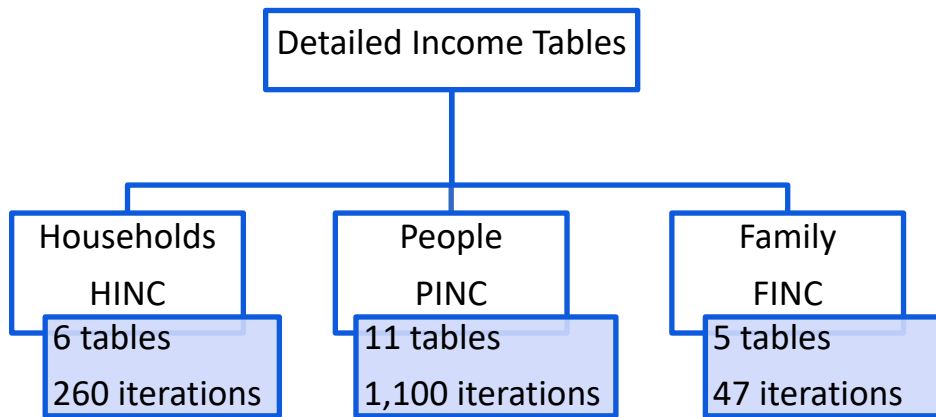
Social, Economic, & Housing Statistic Division (SEHSD)

Charles Hokayem— Chief, Income Statistics Branch



KELEMUA TESFAYE
Seattle University
Applied Mathematics

What are the Detailed Income Tables?



Context

- Produced annually by Income Statistics Branch using CPS-ASEC
- Income & inequality statistics for subpopulation groups
- Released annually in Income & Poverty report
- Widely cited & used by media & general public

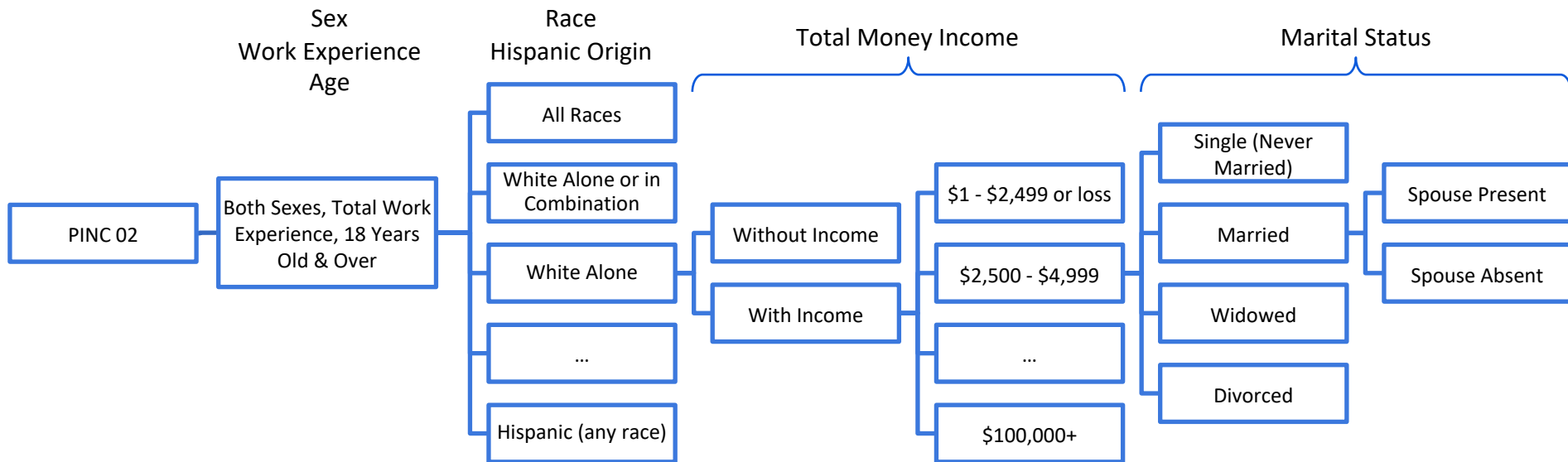
Current Process

- 1,400 iterations reviewed manually for errors

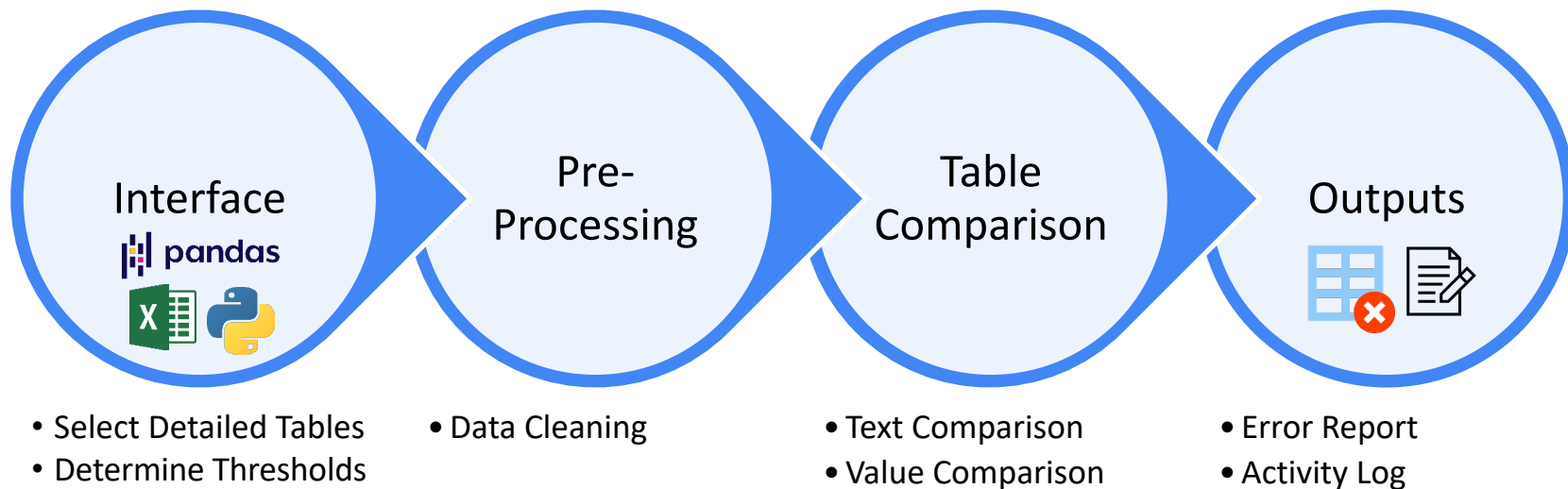
Issues

- Time exhaustive
- Errors are missed
- Limited coverage

A Closer Look at Table Iterations



What is the Detailed Income Table Checker?



Conclusion

Deliverables

- ✓ Functional Application
 - ✓ Activity Log
 - ✓ Error Report
- ✓ Application Documentation
- ✓ User Guide

Impact

- Time efficient
- Rigorous error review
- Full coverage

