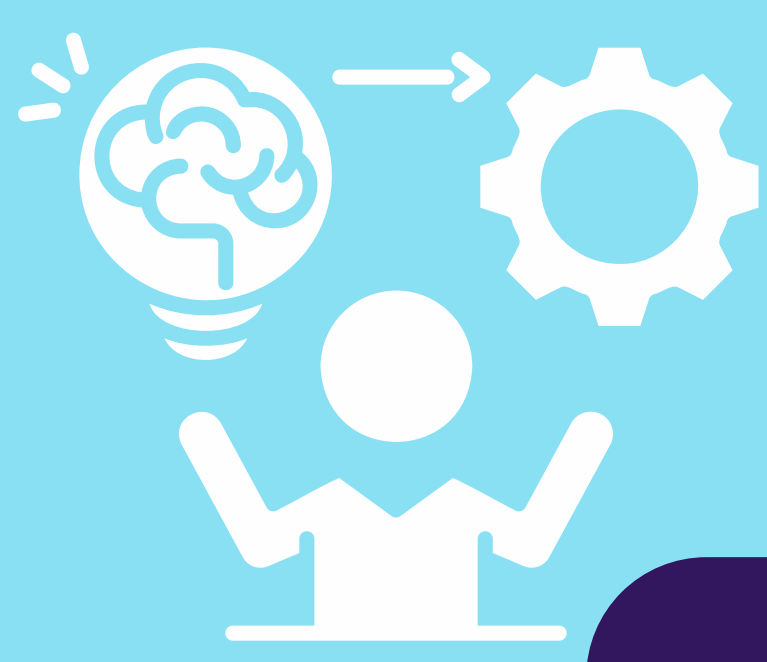


DATASET ANALYSIS: SKILL PRACTICE FOR GRADUATE STUDENTS



Rebecca Lawver, Utah State University
 Michael Spiess, California State University Chico
 Ashley Rogers, National Association of Agricultural Educators
 Amy Smith, University of Minnesota
 Daniel Foster, The Pennsylvania State University

Introduction

Authentic Data= Increased Data Literacy

Guiding Learners with Data= Real World Problem Solving

Developing Data Literacy and Problem Solving= Active Users Rather Than Passive.

National Supply and Demand Database= Opportunity For All of The Above

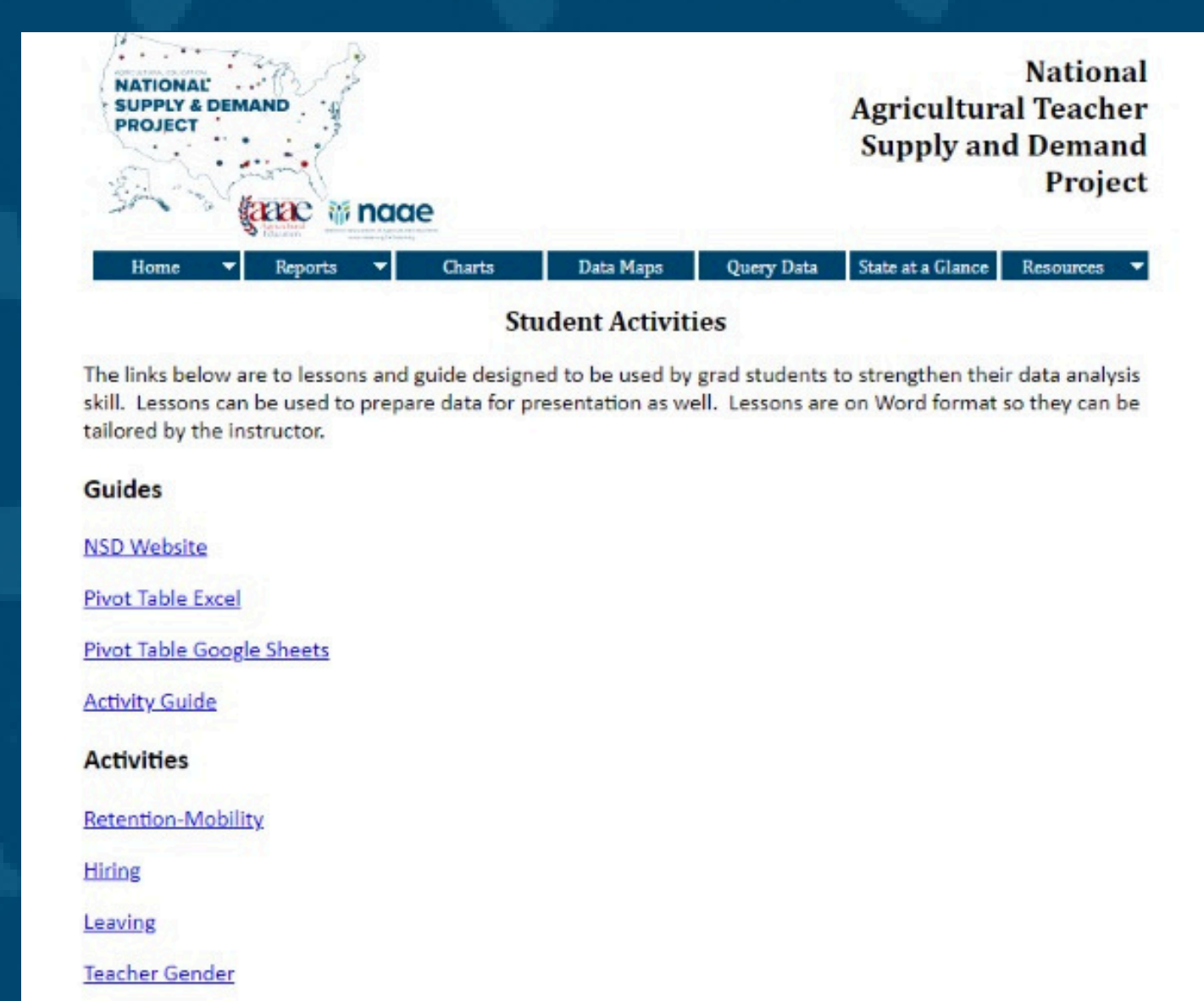
Resources Needed/Cost

No Cost to:

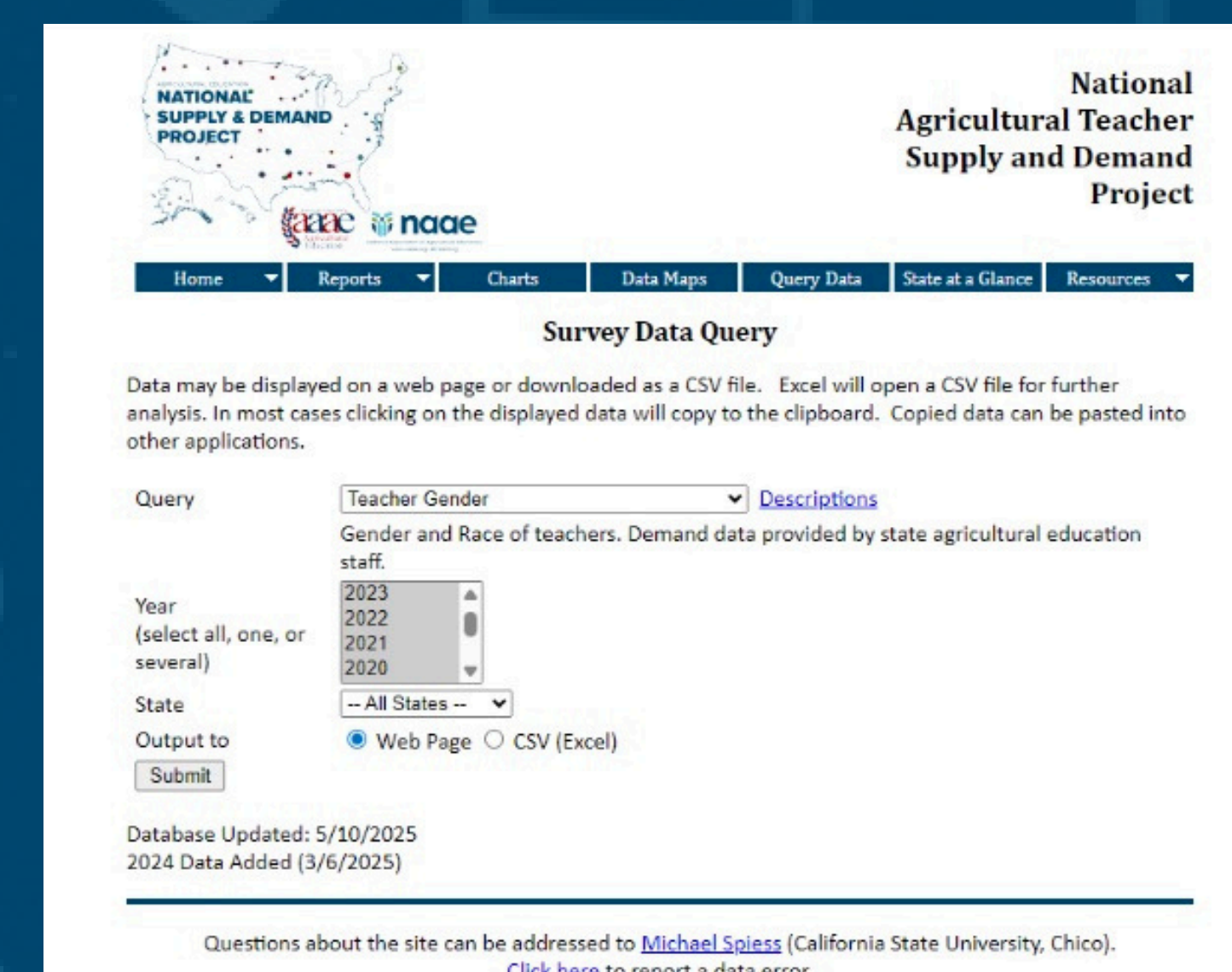
- Access Data
- Access Activities

Resources Needed:

- Access to Excel or Google Sheets
- Activities can be adapted for Google Sheets.

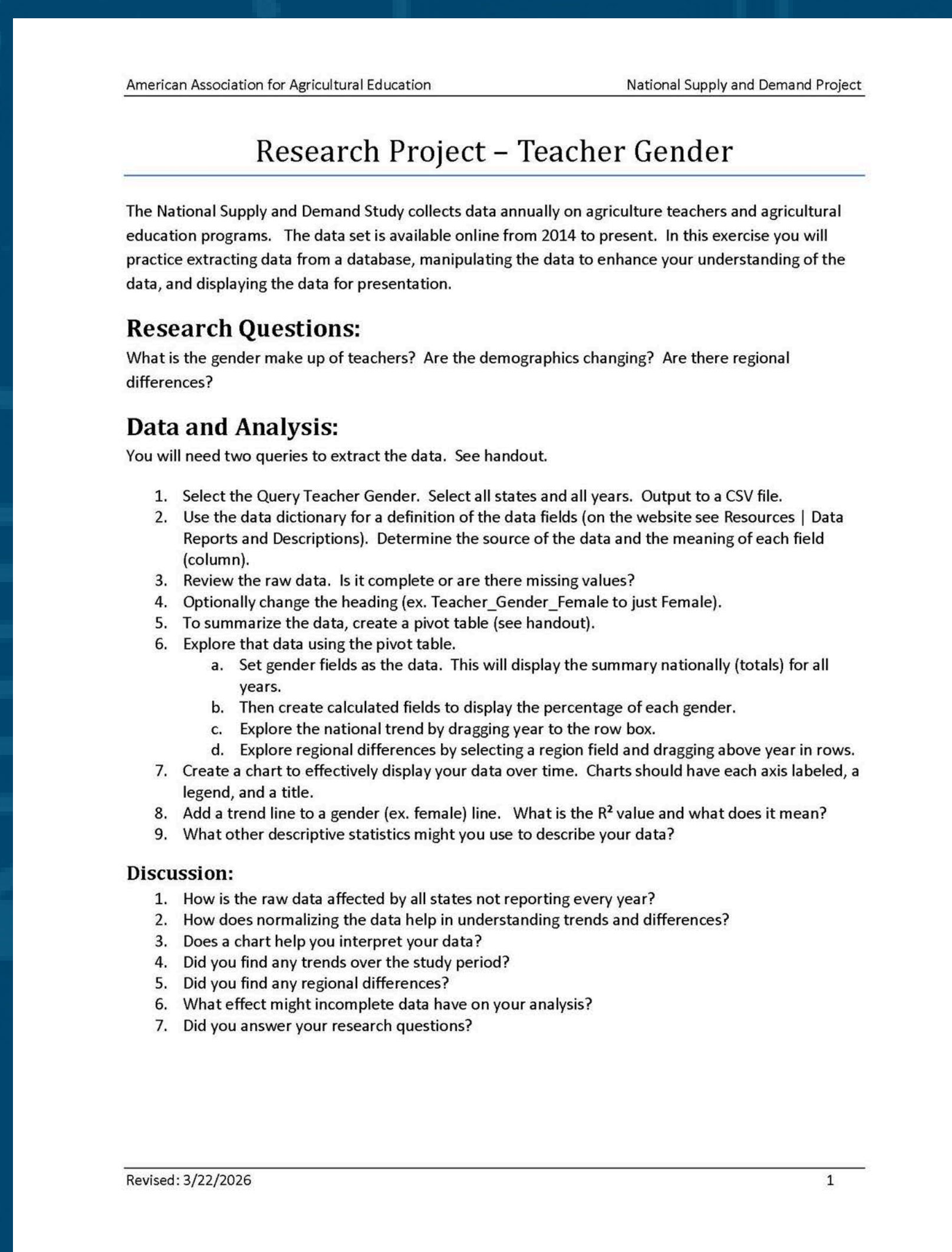


NSD Activity Webpage

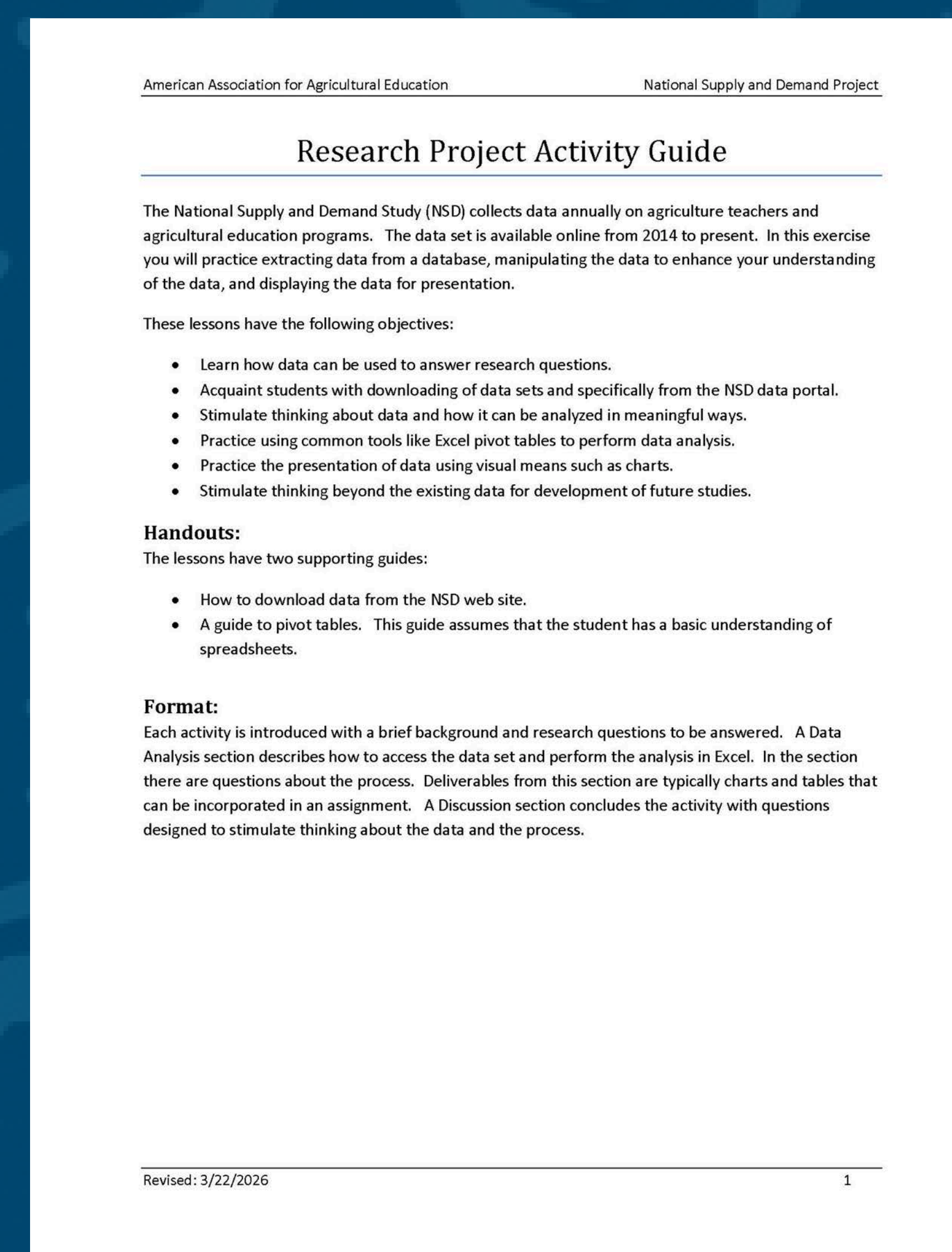


Download Data

Raw Data



Sample Activity



Activity Guide



2025 Cohort

Results to Date

Ph.D. Students Independently:

Successfully Navigated the NSD Website

Downloaded Data, Created Pivot Tables, and Produced Charts

Reported Increased Confidence and Clearer Connections

Ph.D. Students Face-to-Face

Discussions Focused on Data Interpretations and Visualization

Practiced Presenting Findings and Designing Posters

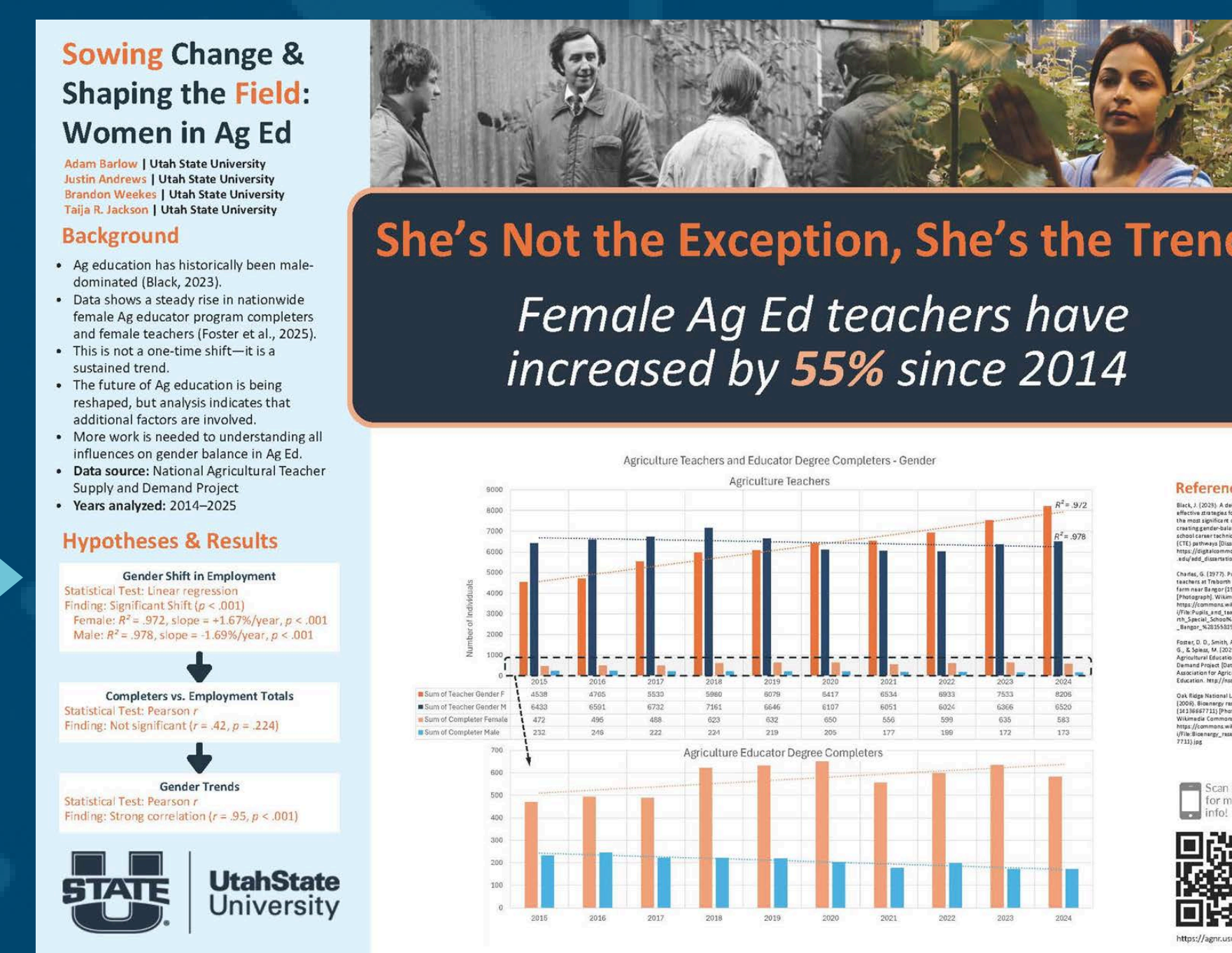
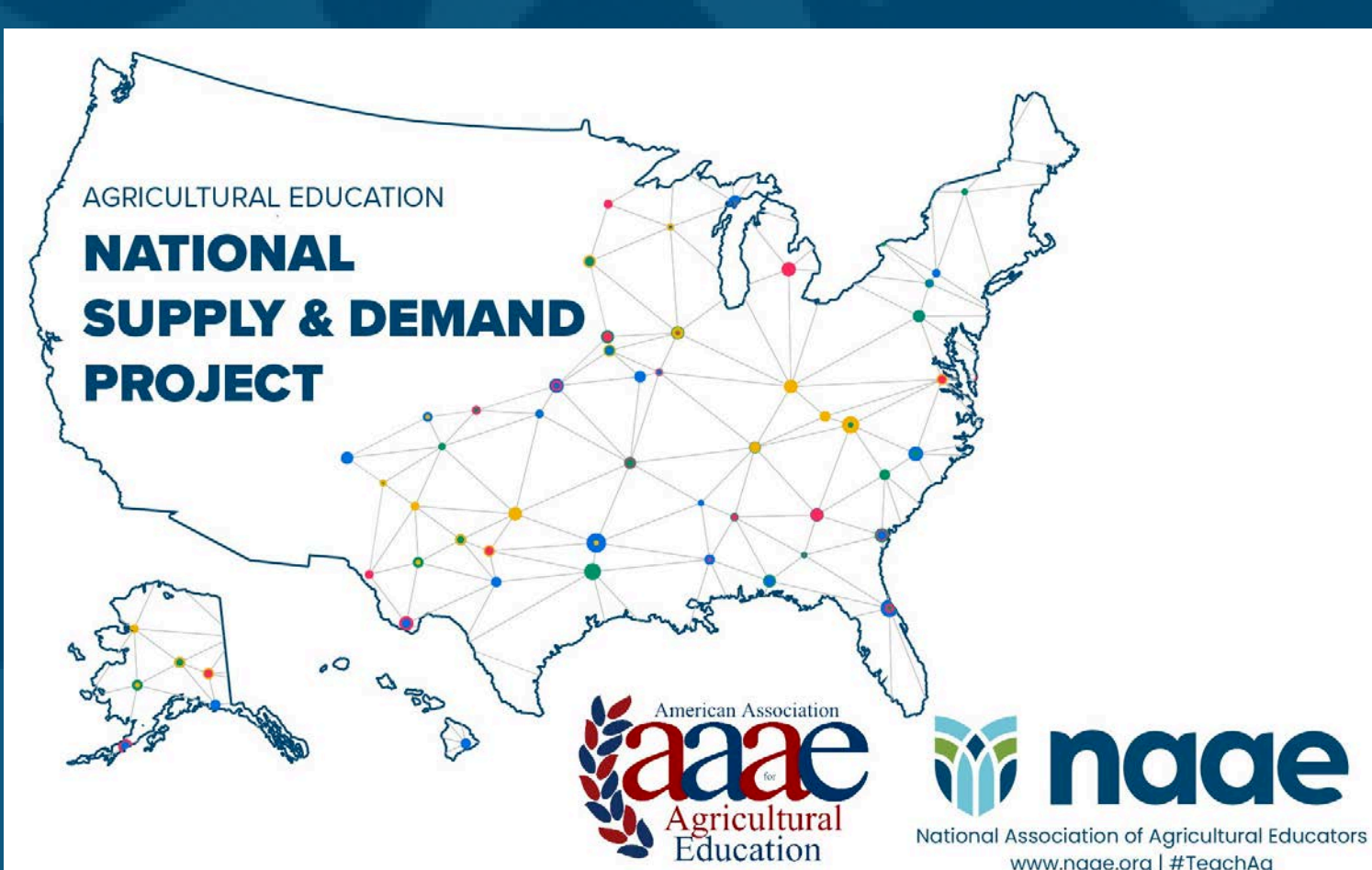
Reported Strengthened Communication and Data-Storytelling Skills

Future Plans

Goal: Improve data literacy and strengthen student's competencies

- Additional scaffolding for students new to excel.
- Expanded Opportunities
- Exploring AI Tools for Data Analysis
- Enhanced Instruction in Poster Design

Want access to sample activities? Scan Here!



Poster Presentation