**Instructor Guide: Data Source Evaluation Exercise**

**Objective:** To facilitate the "Data Source Evaluation Exercise" for participants to practice evaluating data sources for reliability and relevance in the context of data literacy.

**Duration:** 30-45 minutes

**Materials Needed:**

* Whiteboard or flip chart (optional)
* Markers
* Handout with exercise instructions
* Internet access (for research)

**Preparation:**

1. Prepare the handout with exercise instructions (you can use the provided sample handout).
2. Ensure that participants have access to the handout and any necessary materials for the exercise.
3. Set up a space conducive to group discussions and presentations.

**Facilitation Steps:**

**Step 1: Introduction (5 minutes)**

* Welcome participants to the exercise.
* Use Slide 1 with the title "Data Source Evaluation Exercise" and the subtitle "Developing Data Literacy Skills."
* Explain the exercise's objective: to help participants practice evaluating data sources for reliability and relevance, an essential aspect of data literacy.
* Mention the approximate duration of the exercise (30-45 minutes).

**Step 2: Group Formation (5 minutes)**

* Divide participants into small groups of 3-4 individuals each.
* Instruct each group to choose a spokesperson.
* Use Slide 3 titled "Group Formation" for guidance.

**Step 3: Handout Distribution (2 minutes)**

* Distribute the handout with exercise instructions to each group.
* Use Slide 4 titled "Handout Distribution" to signal this step.

**Step 4: Exercise (15-20 minutes)**

* Ask groups to follow the exercise instructions outlined in the handout.
* Encourage participants to collaborate and engage actively in evaluating data sources.
* Use Slide 5 titled "Exercise Instructions" as a reference.

**Step 5: Group Presentations (5-10 minutes)**

* After completing the exercise, ask each group to prepare a brief presentation.
* Each presentation should include the chosen topic, research question, and evaluation of data sources.
* Encourage questions and discussions from the class during and after each presentation.
* Use Slide 6 titled "Group Presentations" for this phase.

**Step 6: Debrief and Discussion (5-10 minutes)**

* After all group presentations, facilitate a class discussion.
* Encourage participants to share their reflections on the challenges faced during the evaluation process and the insights gained.
* Discuss the importance of critical evaluation of data sources in data literacy.
* Use Slide 7 titled "Debrief and Discussion" for guidance.

**Step 7: Conclusion (3 minutes)**

* Summarize the key takeaways from the exercise.
* Emphasize the importance of applying data source evaluation skills in future data analysis endeavors.
* Use Slide 8 titled "Conclusion" to guide your concluding remarks.

**Step 8: Q&A (2 minutes)**

* Open the floor for any questions or clarifications regarding the exercise.
* Address any inquiries or concerns participants may have.
* Use Slide 9 titled "Questions & Answers" to facilitate this phase.

**Step 9: Thank You (1 minute)**

* Thank the participants for their active engagement and participation in the exercise.
* Express appreciation for their efforts in developing data literacy skills.
* Use Slide 10 titled "Thank You" to conclude your session.

**Step 10: Exercise Summary (2 minutes)**

* Summarize the main purpose and objectives of the exercise.
* Reiterate the importance of practicing data source evaluation in the context of data literacy.
* Encourage participants to apply these critical evaluation skills in their future data analysis projects.
* Use Slide 11 titled "Exercise Summary" for your closing remarks.