







	What	Min	Time
1	Opening, About us, ProCivicStat (PCS)	15	1:00
2	Activity 1: Warm-up - Statistics & context	25	1:15
3	Activity 2: Demographics & projections	30	1:40
4	Activity 3: Gender Pay Gap	30	2:10
	~~~ Break ~~~	15	2:40
4	PCS Conceptual frameworks	20	2:55
5	Activity 4: Poverty, 'Risk of Poverty'	30	3:15
6	Implementation, beyond 101, PCS resources	20	3:45
7	General discussion, closure	25	4:05







reasonable interpretation of the graph? Explain...







![](_page_5_Figure_0.jpeg)

![](_page_5_Picture_1.jpeg)

![](_page_6_Figure_0.jpeg)

![](_page_6_Picture_1.jpeg)

![](_page_7_Figure_0.jpeg)

![](_page_7_Figure_1.jpeg)

![](_page_8_Figure_0.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_9_Figure_1.jpeg)

![](_page_10_Figure_0.jpeg)

There is a big difference between using "real data" (e.g., GAISE 2016), and linking instruction to meaningful and important contexts related to "civic statistics"

## **Three questions**

1. What are "**meaningful and important**" contexts / "Burning issues", that are valuable to use when teaching for statistical literacy?

2. **How do we bring** "meaningful and important" contexts into the classroom ? understand and appreciate them?

3. What **questions, tasks, or activities** about meaningful and important contexts **are valuable** to ask in class?

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## Q1. What are "Meaningful and Important" contexts?Burning issues

Three conditions:

- a. The context should be authentic, i.e. naturally occurring in the outside world
- b. There are stakeholders with interest in this context or topic (politicians; policy-makers; managers; community activists, etc.)
- c. The context should involve a genuine "need to know": The stakeholders have questions, and the findings have implications (social, economic, political)

![](_page_11_Picture_5.jpeg)

1	Clarification, literal	understand text / display / data
2	Simple computations New representations	Reading the data / text find new values, ratios/probabilities
3	Reason about or with the data / findings	Explore differences, predict trends or future values, apply a model
4	Use external sources	Learn about the problem, analyse!
5	Critique the statistics / display / findings	Consider data sources / research method / analysis / flaws / biases
6	Critique the interpretation	Logic of conclusions, causality, risk
7	Explore causal factors & correlates	Variables that influence/confounders Behavior in subgroups / disaggregation
8	Discuss social impact	Implications, decisions, new needs

![](_page_12_Figure_1.jpeg)

![](_page_13_Figure_0.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_14_Picture_1.jpeg)