

FedCASiC  
2021

# How Dealing With 2020 Changed Us

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Disclaimer:

The views, thoughts, and opinions presented are my own and do not necessarily reflect any official position of the U.S. Census Bureau, or the U.S. Department of Commerce.

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# How Dealing With 2020 Changed Us

- **Automation**
- **The People Interaction**
- **Time**

# Automation

- What automation?
- What has it done?

# Automation

- Video was here (too big to email)

# Automation

- What automation?
- What has it done?
- Automation helped save the 2020 Census
- But where is automation going for surveys?

Automation

**Big Data?**

# Automation



# Automation





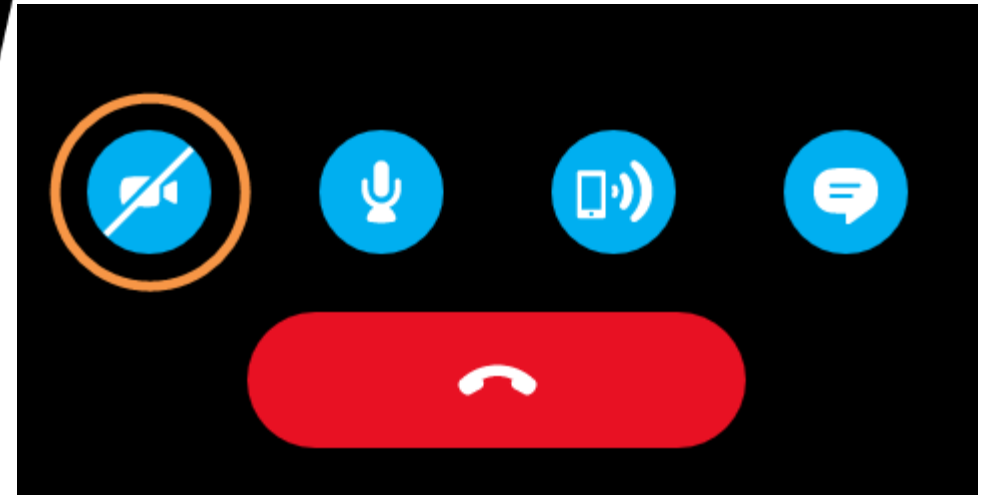
# The People Interaction

- Surveys have long required **people** to contact possible respondents (particularly for non-response)
- What did that look like in COVID for the 2020Census?



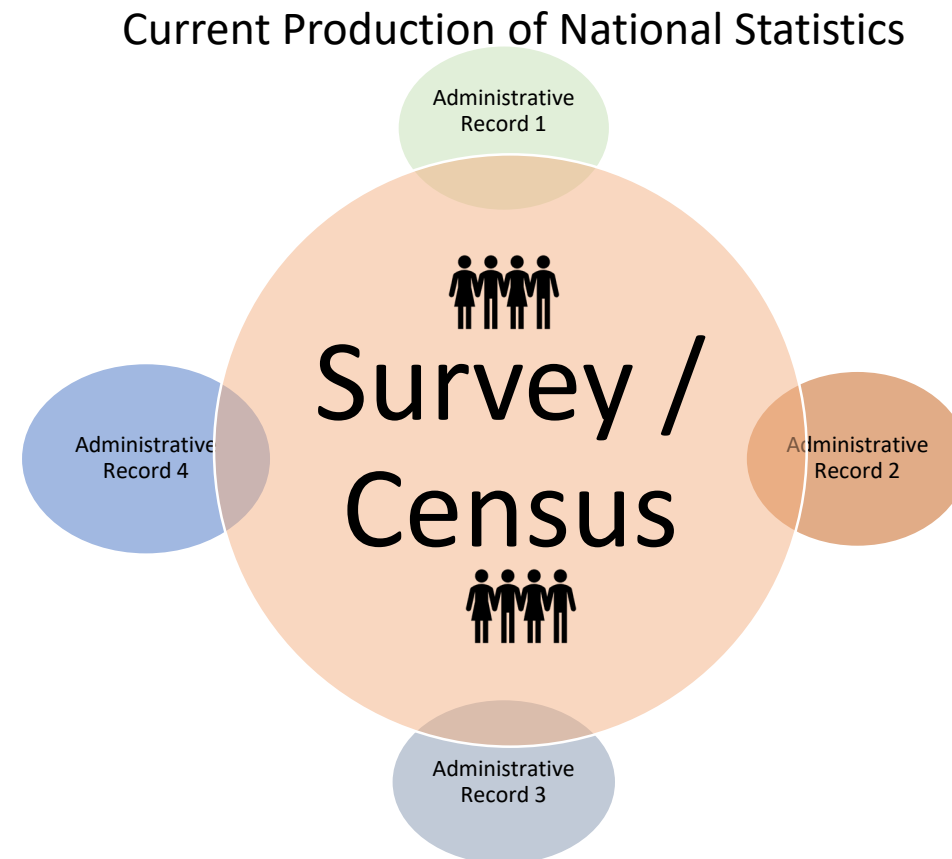
# The People Interaction

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- What are some of the possibly lingering societal impacts of 2020?



# The People Interaction

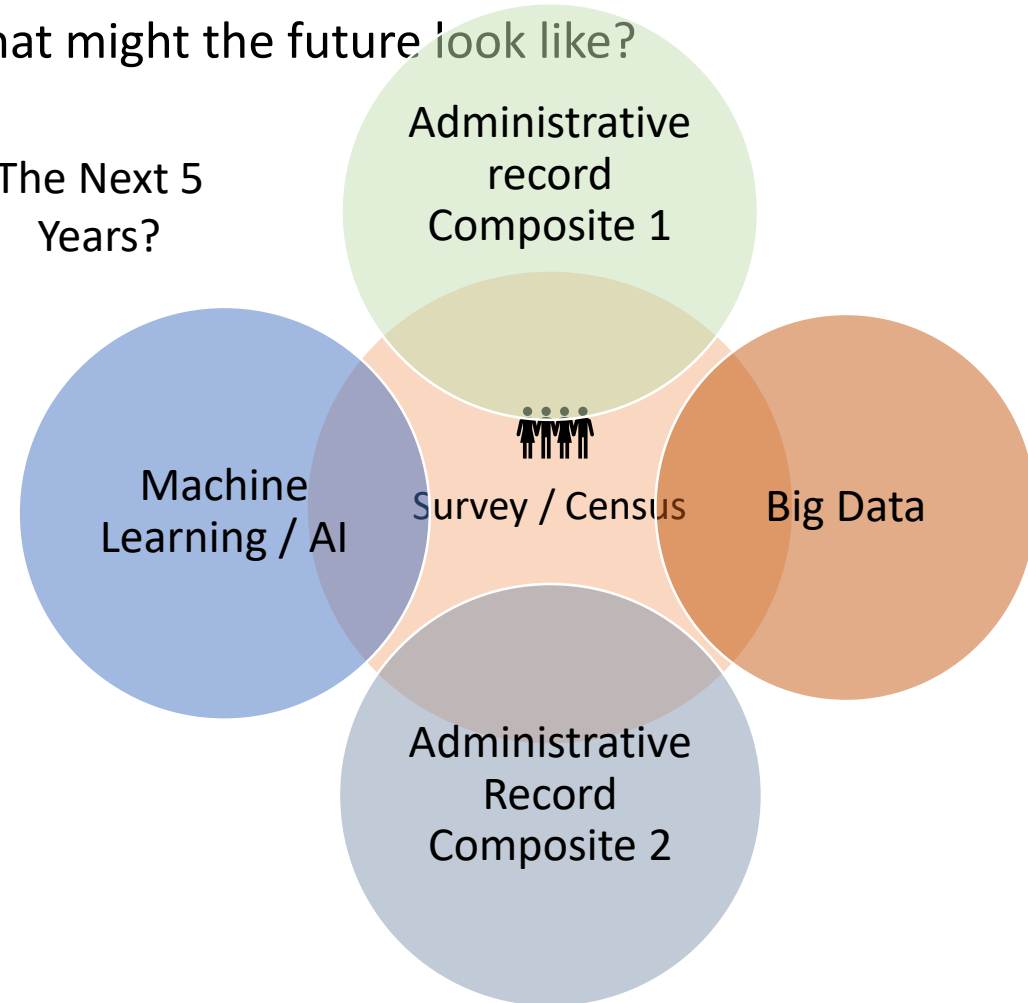
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- What might the future look like?



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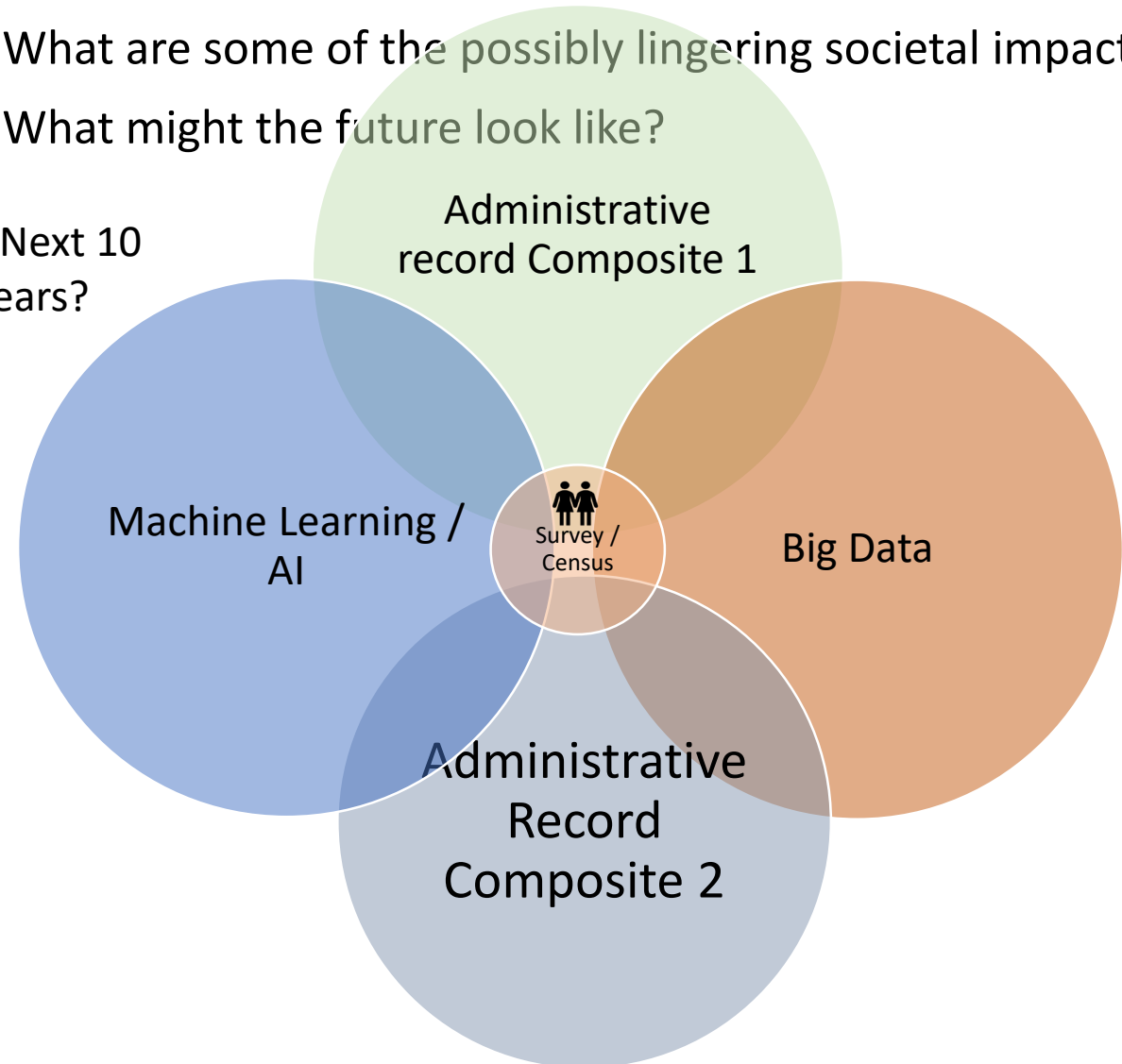
The Next 5  
Years?



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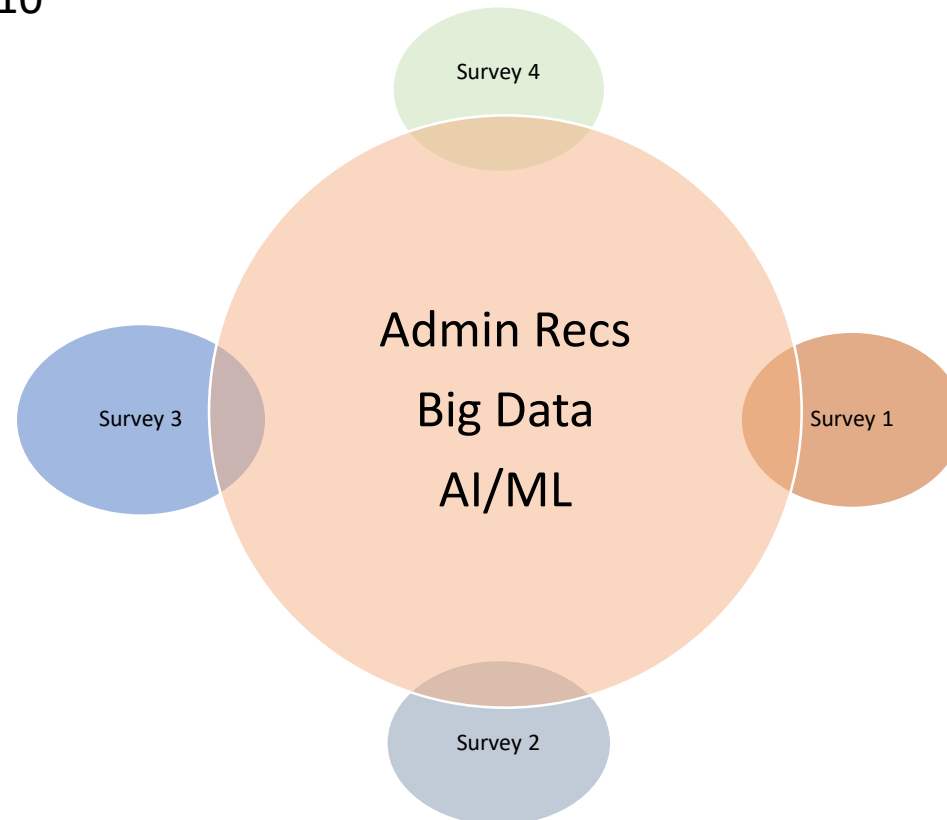
The Next 10  
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The Next 10  
Years?

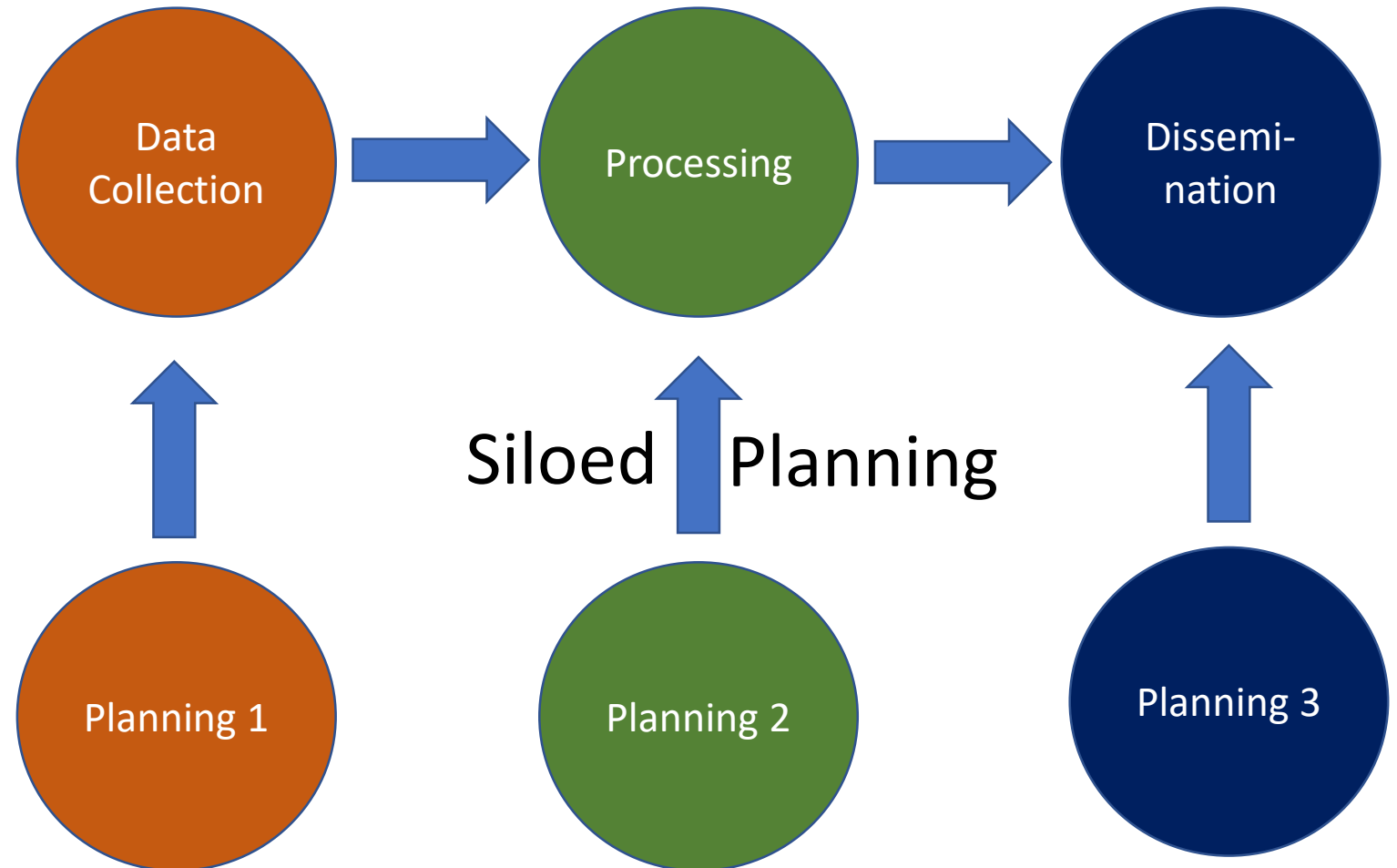


# Time is the Issue



# Simple Survey Lifecycle

Linear Approach



Time is the Issue



# Time is the Issue

- Shouldn't we be able to process a Census faster than we did in 1890?
- Is technology limiting us? (No!)
- Can we track not only cost and progress, but also content and data quality in real time during data collection?
- Can we refine administrative record use and on-the-fly imputation?
- Can we get to a final answer for each address more quickly?
- What would it take to have accurate census results in, say, 30 days (or less) after data collection ends?

# Time is the Issue

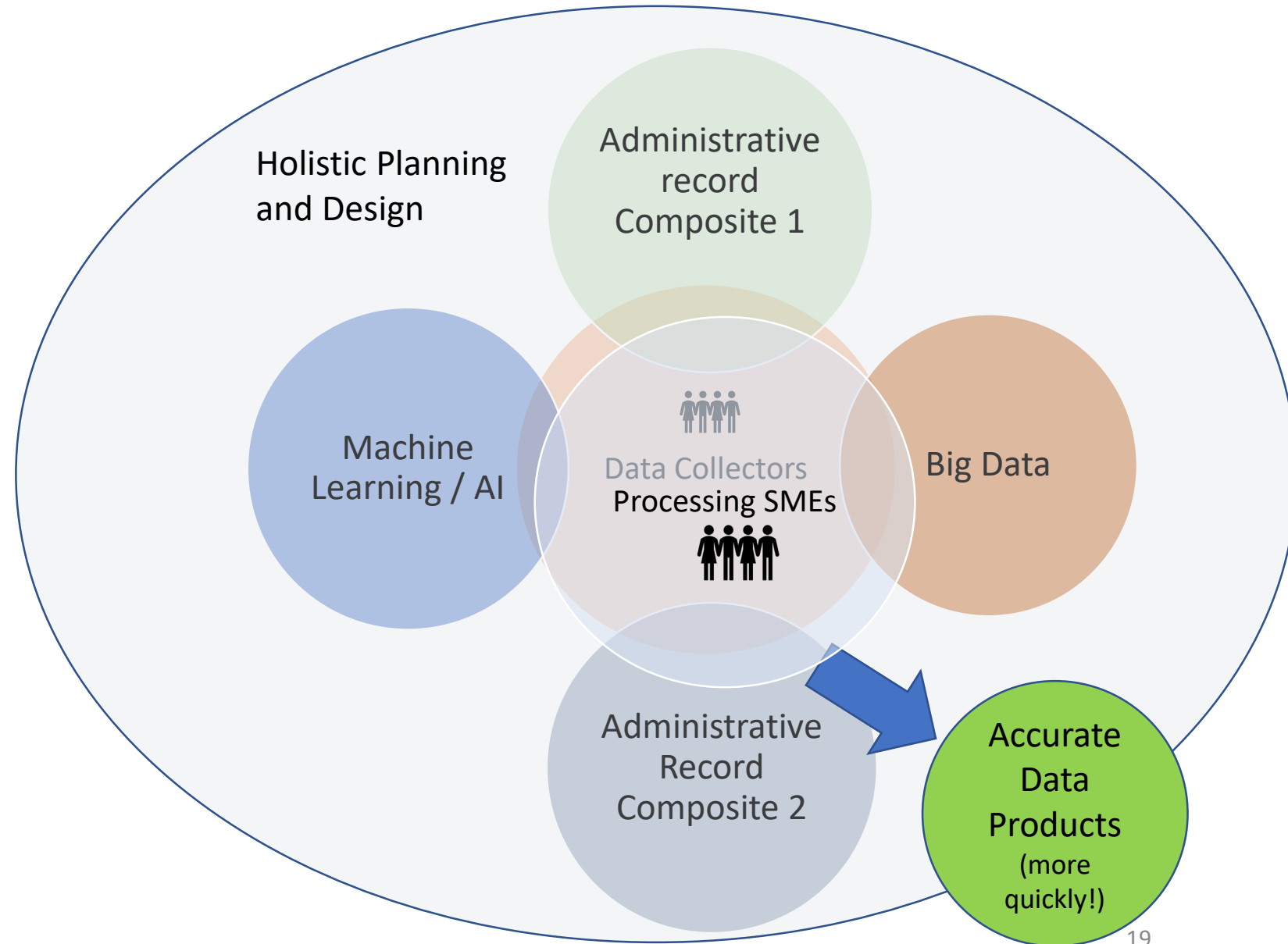
- Holistic View
- Accurate information on cost and progress, but also on data quality, respondent characteristics, and possible data anomalies
- Goals:
  - Achieve near-Real Time Processing -- Perform as much processing near-real time as possible
  - Build in Data and Quality Review -- Build an accompanying quality and data review arm of post-processing that is active throughout operations
  - Wrap-up Processing quickly-- Perform final processing minimally, only to the extent that issues are found or requirements cannot be accommodated by near-real time processing

## Putting it all together

Automation

The People  
Interaction

Time



Automation

The People  
Interaction

Time

*Questions*

*Thank You!*