# Archiving Strategies for Synchrophasor Data

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NASPI - San Diego, CA

- 1. Word Jumble
- 2. To Keep or Not to Keep
- 3. The Anti-Kon-Mari Method

## OUTLINE

- 4. The Hall Closet
- 5. Data Binge Watching

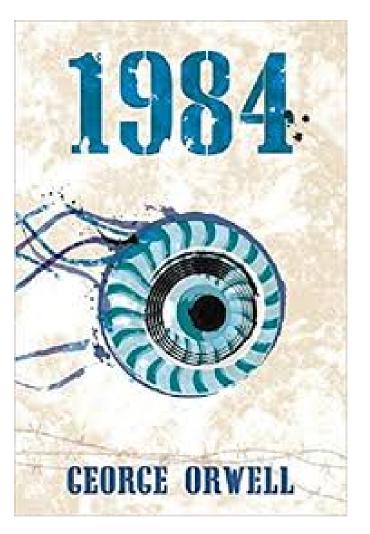
# Language Matters

2. To Keep or Not to Keep

3. The Anti-Kon-Mari Method

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# Language Matters

### "Archive", "Historian" implies...











## Language Matters

2. To Keep or Not to Keep

3. The Anti-Kon-Mari Method "Storage" – OK "Database" – OK

How can we expose our underlying requirements through our language?

4. The Hall Closet

5. Data Binge Watching Data-as-a-Service Data-as-a-Utility

## Keep is the Answer!

2. To Keep or Not to Keep

3. The Anti-Kon-Mari Method *Inclusion:* Measure Everything; Keep Everything

> *Retention:* Keep Everything, Forever

4. The Hall Closet

5. Data Binge Watching Compression: NO LOSSY COMPRESSION

## No Value Prejudgments!

2. To Keep or Not to Keep

3. The Anti-Kon-Mari Method Who are you to decide whether data will be valuable in the future or not?

4. The Hall Closet

5. Data Binge Watching We are only stewards of the data.

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## No Value Prejudgments!

Events vs Ambient Data

Define "Event" – Not easy, huh?

Events are not data, they are metadata – a pass-by-reference link to the data source.

"Ambient" data is still information rich

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# Systems and Architecture

... or, finding things when we need them



1. Word Jumble

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# Systems and Architecture

We're often so concerned with just *getting the data in* that we don't consider the future uses requiring *processing the data* or *getting the data out.* 

This myopic assumption leads to poor decisions about tools, systems, and architectures.

## 1. Word Jumble You Must Look at Your Data

2. To Keep or Not to Keep

3. The Anti-Kon-Mari Method Data Quality Matters

It's wasteful to store garbage data but more importantly...



4. The Hall Closet

5. Data Binge Watching You only get one opportunity to capture *that* moment at *that* location in *this* universe.

2. To Keep or Not to Keep

3. The Anti-Kon-Mari Method

# QUESTIONS?

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4. The Hall Closet

5. Data Binge Watching