

The NIST IAD Data Science Evaluation Series Workshop

Workshop Administrivia

March 17-18, 2016



Before we begin...

- **Workshop Schedule**
 - Two days, consult the agenda for session and breaks
- **Cafeteria**
 - Hours of operation 7:30am – 3:00pm
 - Cash, credit and debit
- **Restrooms**
 - Multiple, closest is on the center dividing hallway
- **Internet Access**
- **Safety**

Welcome to NIST

James St. Pierre,
Deputy Director, ITL
NIST



$$P(A/B) = P(B/A) P(A) / P(B)$$

010011000010 01000111000110
00101110101000011110101010
1101000010 10 11111000001001

$$i\hbar \frac{\partial \Psi}{\partial t} = \hat{H} \Psi(x, t)$$

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Introduction and
Workshop Goals

Mark Przybocki
March 17-18, 2016



The Mission of NIST

- **NIST's mission** is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life

About NIST/ITL/IAD

Information Access Division (IAD)

- Measure and evaluate technologies for information processing
- Structured, semi-structured, and unstructured data
- Started 1980s measuring speech-to-text, info retrieval
- Metrics and evaluations for tasks using speech, text, image, video, and multimodal data: (examples)
 - TREC & TAC
 - TRECVID
 - OpenMT, OpenKWS, OpenHART,
 - Speaker and Language Recognition (SRE, LRE)
 - Video Analytics

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 - **New Data Science Evaluation (DSE) Series**

About Today's Workshop: What are the Goals?

- Examine a range of different Data Science Challenges and problems to identify new areas for research and evaluation
 - Explore evaluation of domain-independent solutions on a wide range of different problems.
 - Discuss how to evaluate algorithms across different data-science related fields
- Leverage lessons learned to launch the Data Science Evaluation Series (DSE)
 - Develop new evaluation tracks in multiple disciplines
 - Discuss the future of DSE and approaches to addressing challenges identified in the workshop