Use Of Natural Language Processing to Extract Information from Clinical Text

Workshop

June 15, 2017

Food and Drug Administration, UCSF-Stanford Center of Excellence in Regulatory Science & Innovation, San Francisco State University
Workshop Planning Committee

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Today’s Agenda

• Opening Remarks
• Morning Session (8:30 am – 12:30 pm)
• Afternoon Session (1:30 pm – 5:00 pm)
• ~20 min presentation, 10 min Q & A
• Panel discussions at the end of each session
  – Morning: 11:15 -12:30
    • Addressing the strengths and limitations of NLP solutions
  – Afternoon: 3:45 - 4:45
    • Addressing what is the way forward for clinical NLP
• Wrap up at the end of the day
Questions – Can NLP Assist by itself or as part of a system

Using clinical text or clinical notes to

• Identify
  – Indication or reason for medical product use?
  – Application or treatment outcomes and Adverse Events?
  – Confounders: demographic, biological, cultural, or behavioral?

• Validate medical codes?

• Enhance randomized clinical trials (RCTs)?
Today’s Logistics for Attendees

• Please use microphones in room to ask questions
• Remote attendees can type questions in Adobe chat box
• Cell phone: please mute or turn off ringers
• Restrooms are outside and to the right
• Breaks – snacks, lunch options, and coffee are available for purchase at kiosk- please pre-order lunch by 10:30 am
• WiFi information is included on last page of agenda
• Meeting recording and slides will be available on UCSF-Stanford CERSI website with speaker’s permission