

Research Seminar

# AI for Health

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# AI for Health

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- Data-driven tools for health care
  - ❑ Phenotype complex diseases
  - ❑ Predict individual outcomes and treatment effects
  - ❑ Discover risk factors
  - ❑ Support clinical decisions
  
- Extract knowledge from diverse data

## Electronic Health Record (EHR)

- Collected in hospitals
- Complex and high-dimension data

## Internet of Things (IoT)

- Longitudinal monitoring in daily life
- Noisy and lossy data

# Guidelines

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- Wednesday 1 pm – 1:50 pm
- In person: McKelvey 1030
- Web: [https://wsn.cse.wustl.edu/index.php?title=CSE\\_7300\\_Research\\_Seminar](https://wsn.cse.wustl.edu/index.php?title=CSE_7300_Research_Seminar)
  
- Today: Email Jingwen Zhang [jingwen.z@wustl.edu](mailto:jingwen.z@wustl.edu) to confirm your attendance
  - ❑ You will be added to the presentation schedule and the Slack channel
  
- One week before your presentation
  - ❑ Propose the paper of your presentation for my approval
  - ❑ Should be related to **AI for Health** - see list of conferences and journals on the website
  - ❑ Once approved, post your paper on Slack
  
- After the presentation, post your slides on Slack

# Quality is Important

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- Select a high-quality paper
  
- Be prepared to give a great presentation
  
- Presentation
  - ❑ 40 min talk + 10 discussion
  - ❑ About 27 slides
  - ❑ Active participation in discussion
  
- Goal: fruitful learning experience together