

Institute for Informatics (I²)

Applied Clinical Informatics & Data Analytics Workshop – Course Schedule

25 –27 September 2018

Instituto de Ciencias e Innovación en Salud – UDD - Santiago, Chile

WORKSHOP TRACKS

- Introduction to Biomedical Informatics as a Scientific Discipline (Lecture) Payne
- Clinical Information Systems and Their Uses/Explorations (Case Studies) Payne, Lai, Barbé
- Common Data Models, APIs, Terminologies, and Ontologies (Lecture) Payne, Mauro
- Building a Clinical Information Systems Architecture (Lab) Payne, Foraker
- Building and Using Data Warehousing and Reporting Systems (Lab/Case Studies) Payne, Foraker
- Time Motion Studies (Lecture/Case Study) Lopetegui
- Descriptive Statistics, Data Summarization, and Application of Machine Learning (Lab) Foraker, Lai
- Usability, Technology Adoption, and Human Factors (Lecture) Lai, Foraker
- Natural Language Processing on Biomedical & Clinical Text (Lecture/Lab) Lai
- Building Informatics Applications & Tools (Lab) Lopetegui/ Mattoli
- Future Directions and Course Wrap-Up (Case Studies, Discussion) All faculty

Tuesday, 25 September 2018

9:00-9:15

Welcome & Opening Remarks

Faculty: Payne, Lopetegui

Location: Auditorio ICIM UDD

9:15-10:00

Track: A Tale of Two Healthcare Systems

Faculty: Payne, Lopetegui

Location: Auditorio ICIM UDD

10:00-11:15

Introduction to Biomedical Informatics as a Scientific Discipline (Lecture) Payne

11:15-11:45

Coffee break

Location: Auditorio ICIM UDD

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11:45-13:00

Clinical Information Systems and Their Uses (Case Studies) Payne, Lai

13:00-14:00

Lunch break

Location: Fac Med UDD

14:00-15:15

Common Data Models, APIs, Terminologies, and Ontologies (Lecture) Payne, Mauro

Location: Auditorio ICIM UDD

15:15-15:30

Coffee break

Location: Auditorio ICIM UDD

15:30-16:45

Building a Clinical Information Systems Architecture (Lab) Payne, Foraker

Location: Auditorio ICIM UDD

16:45-17:00

Daily recap with faculty

Location: Auditorio ICIM UDD

17:30-18:30

Institute-sponsored happy hour

Location: Off campus

Wednesday, 26 September 2018

9:00-10:15

Building and Using Data Warehousing and Reporting Systems (Lab/Case Studies) Payne, Foraker

Location: Auditorio ICIM UDD

10:15-10:30

Coffee break

Location: Auditorio ICIM UDD

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10:30-11:45

Time Motion Studies (Lecture/Case Study) Lopetegui

Location: Auditorio ICIM UDD

11:45-13:00

Lunch break

Location: Fac Med UDD

13:00-14:15

Descriptive Statistics, Data Summarization, and Application of Machine Learning (Lab) Foraker, Lai

Location: Auditorio ICIM UDD

14:15-14:30

Coffee break

Location: Auditorio ICIM UDD

14:30-15:45

Usability, Technology Adoption, and Human Factors (Lecture) Lai, Foraker

Location: Auditorio ICIM UDD

15:45-15:30

Break

Location: Auditorio ICIM UDD

15:30-16:45

Natural Language Processing on Biomedical & Clinical Text (Lecture/Lab) Lai

Location: Auditorio ICIM UDD

16:45-17:00

Daily recap with faculty

Location: Auditorio ICIM UDD

Thursday, 27 September

9:00-10:15

Building Informatics Applications & Tools (Lab) Lopetegui/ Mattoli

Location: Auditorio ICIM UDD

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10:15-10:30

Coffee break

Location: Auditorio ICIM UDD

10:30-11:45

Future Directions and Course Wrap-Up (Case Studies, Discussion) All faculty

Location: Auditorio ICIM UDD

11:45-12:00

Daily recap

Location: Auditorio ICIM UDD

12:30-14:00

Final group lunch & presentation of certificate of completion

Location: Off campus

Warning: program and schedule may change with no prior notice.

Advertencia: el programa podría sufrir modificaciones sin previo aviso.