

# LEADING Boot Camp: Week 1

Time (all times in EST)	Session
Monday, June 7	
11:30 AM – 12:00 PM	<b>Welcome and Introduction (Jane/Sam)</b> <ul style="list-style-type: none"><li>- Welcome</li><li>- Around the room— brief</li></ul>
12:00 PM – 1:00 PM	<b>Data Science Overview (Jake)</b> <ul style="list-style-type: none"><li>- Data Science and Scientific Paradigms</li><li>- Data Science as a Process</li><li>- Data Science Projects in LIS</li></ul>
1:00 PM – 2:00 PM	BREAK
2:00 PM – 5:00 PM	<b>Data Management: SQL and NoSQL (Il-Yeol)</b> <ul style="list-style-type: none"><li>- Relational Databases</li><li>- SQL</li><li>- Analytics with SQL</li><li>- NoSQL data stores</li><li>- MongoDB</li></ul>
Thursday, June 10	
1:00 PM – 3:00 PM	<b>Data Cleaning and Preprocessing (Lei)</b>
3:00 PM – 4:00 PM	BREAK
4:00 PM – 6:00 PM	<b>Text Processing / Mining / Search (Mat)</b> <ul style="list-style-type: none"><li>- Text processing, mining, scalability, common matrix</li><li>- Factorization process and time/space complex</li><li>- Parallelization</li></ul>