2017 Midwest Big Data Summer School

July 10

All sessions are in Sun Room, Memorial Union.

Time	Session
8:00 - 8:30 a.m.	Registration
8:30 - 8:45 a.m.	Welcome: Dean Beate Schmittmann, College of LAS
8:45 - 9:00 a.m.	An Overview of Midwest Big Data Summer School, By Hridesh Rajan and Pavan Aduri
9:00 - 10:30 a.m.	Introduction to Statistics, By Kris De Brabanter
10:30 - 10:45 a.m.	Break
10:45 - 12:15 p.m.	Introduction to R, By Heike Hofmann
12:15 - 1:30 p.m.	Lunch
1:30 - 3:15 p.m.	Introduction to R, By Heike Hofmann
3:15 - 3:30 p.m.	Break
3:30 - 5:00 p.m.	Visualization, By Heike Hofmann

July 11

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Time	Session
8:00 - 8:30 a.m.	Registration
8:30 - 10:30 a.m.	Visualization, By Heike Hofmann
10:30 - 10:45 a.m.	Break
10:45 - 12:15 p.m.	Narrative Visualization, By Beth Plale and Jill Minor
12:15 - 1:30 p.m.	Lunch
1:30 - 3:15 p.m.	Introduction to Python, By Steven M. Kautz
3:15 - 3:30 p.m.	Break
3:30 - 5:00 p.m.	Introduction to Python, By Steven M. Kautz

July 12

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Time	Session
8:00 - 8:30 a.m.	Registration
8:30 - 10:30 a.m.	Applied Machine Learning, By Kris De Brabanter
10:30 - 10:45 a.m.	Break
10:45 - 12:15 p.m.	Applied Machine Learning, By Kris De Brabanter
12:15 - 1:30 p.m.	Lunch
1:30 - 3:15 p.m.	Scalable Tools, By Eric W Rozier
3:15 - 3:30 p.m.	Break
3:30 - 5:00 p.m.	Scalable Tools, By Eric W Rozier

July 13

Time	Foundations (Sun Room)	Digital Agriculture (South Ballroom)
8:00 - 8:30 a.m.	Registration	
8:30 - 10:30 a.m.	Probabilistic Graphical Models, By Jin Tian	Overview, By Pat Schnable Past, Present, and Future Innovations in Digital Ag., By Matt Darr
10:30 - 10:45 a.m.	Break	
10:45 - 12:15 p.m.	Foundations of Deep Learning, By Zhengdao Wang	Methods and Tips for Dealing with Too Much Data, By Steven Cannon
12:15 - 1:30 p.m.	Lunch	
1:30 - 2:45 pm	Foundations of Deep Learning, By Zhengdao Wang	Openness and Reproducibility, By Jennifer Freeman Smith
3:15 - 3:30 p.m.	Break	
3:30 - 5:00 pm	Data Streaming and Sketching, By Srikanta Tirthapura	Openness and Reproducibility, By Jennifer Freeman Smith

July 14

Time	Foundations (Sun Room)	Digital Agriculture (South Ballroom)
8:00 - 8:30 a.m.	Registration	
8:30 - 10:30 a.m.	Deep Learning Applications, By Soumik Sarkar	Data Acquisition and Processing, By Adisak Sukul
10:30 - 10:45 a.m.	Break	
10:45 - 12:15 p.m.	Deep Learning Applications, By Soumik Sarkar	Environment Populations, By Adina Howe Phenotyping, By Maria Salas-Fernandez
12:15 - 1:30 p.m.	Lunch	
1:30--2:45 p.m.	Big Data to Traditional Algorithms, By Kostas Kollias	Sensors in Digital Agriculture, By Liang Dong & Emily Smith
3:15 - 3:30 p.m.	Break	
3:30 - 5:00 p.m.	Robust PCA, By Namrata Vaswani	Lightning Talks