

# Digital Agriculture Spring 2021

Thanos Gentimis

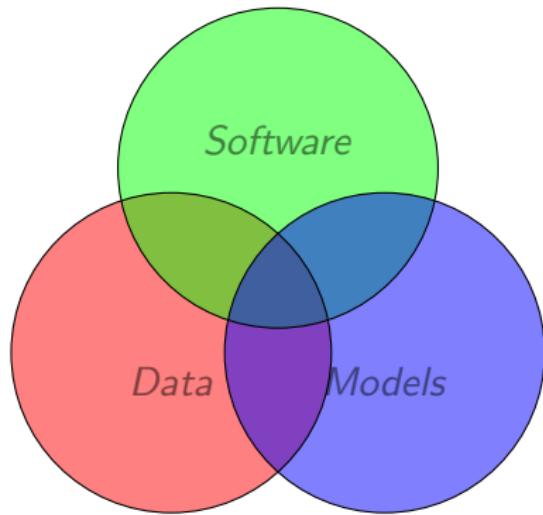
Louisiana State University Ag. Center

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# Basic Information

- Instructor: Thanos Gentimis
- Lab Location: M.Woodin Hall 0044
- Lab Time: MT 13:00-14:50
- Office Hours: T 12:00-1:00, W 12:00-1:00 or by appointment (Friday)
- Office Location: M.Woodin Hall 0053
- Email [agentimis1@lsu.edu](mailto:agentimis1@lsu.edu)

# Class Focus



# Primary

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- Understand the complexities of data in Agriculture

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- Be able to collaborate with data analysts and other specialists

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- Be able to collaborate with data analysts and other specialists
- Create, enhance, update your research

# Secondary

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- Understand basic modeling methods, especially machine learning

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- Get familiar with image processing

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- Get familiar with image processing
- Be familiar with various relevant programs and computer languages

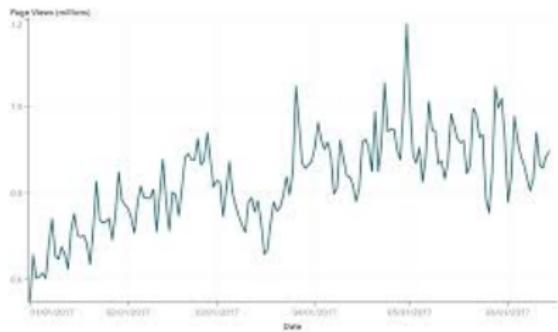
# Structured Data

- ① Tables with numerical values
- ② Structured Reports
- ③ Query based analyses

Treatments	Response 1
Treatment 1	0.0003262
Treatment 2	0.0015681
Treatment 3	0.0009271

# Time series

- ① Functions of time
- ② Trend analysis
- ③ Weather Data



# Images

- ① Drone Captured Images
- ② Satellite Images
- ③ Geolocation



# Software-Languages

- ① R
- ② Python
- ③ ArcGis
- ④ QGis
- ⑤ Postgress (pgadmin)
- ⑥ JMPpro

# Cloud-Sharing

- ① Remote Servers
- ② Googledrive
- ③ Gitlab
- ④ OneDrive

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- ④ Ideas on improvement!

# Grade

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- ① 10 Homework, 8 of them count  $5*8=40$  points

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- ③ Check syllabus for letter grades!