Artificial Intelligence

Algorithms and Applications with Python

Capstone

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Grading (preliminary)

Contact	Description	Distribution
Exam *Dr. Dominik Jung*	There will be a 90 minutes closed-book/closed-notes exam consisting of short-answer, and analytical questions covering all course material! One third will be general questions, one third related to tools, and the last third will be an overarching case.	60 %
Capstone Project *Dr. Timo Sturm + Capstone Partners*	Each participant is expected to join a team of about 4 students to analyze and work on a capstone project. Results should be delivered in a document. Further information will be presented at the capstone introduction.	40 %

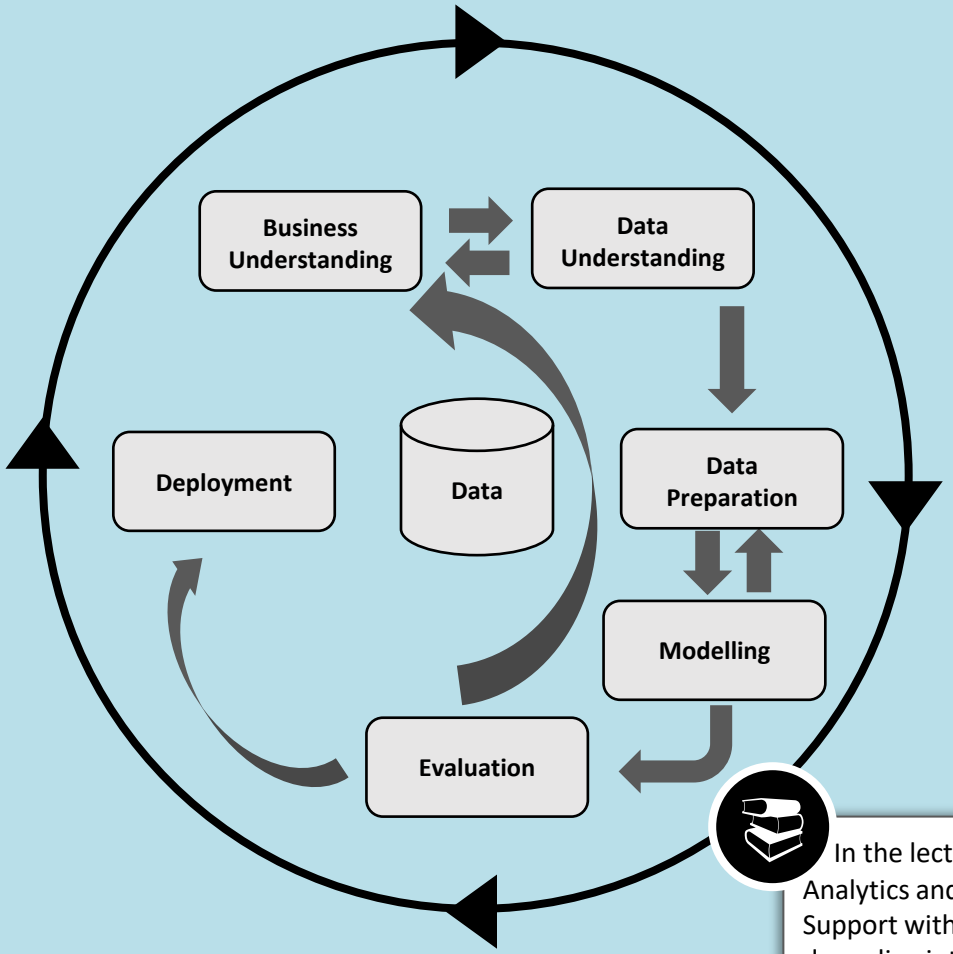
- Both elements need to be passed (grade 4.0 or better): Failing (i.e., grade 5.0) the (1) Exam, or the (2) Case Study, or (3) the Exam and the Case Study, results in failing the entire course.
- There is no retake possibility for the Capstone project. Thus, if you fail the Capstone project, you need to retake the course next year!

Use the CRISP-DM framework to structure your work

- Cross-Industry Standard Process for Data Mining (CRISP-DM)
- Process model describing commonly used approaches that data science experts use to tackle problems

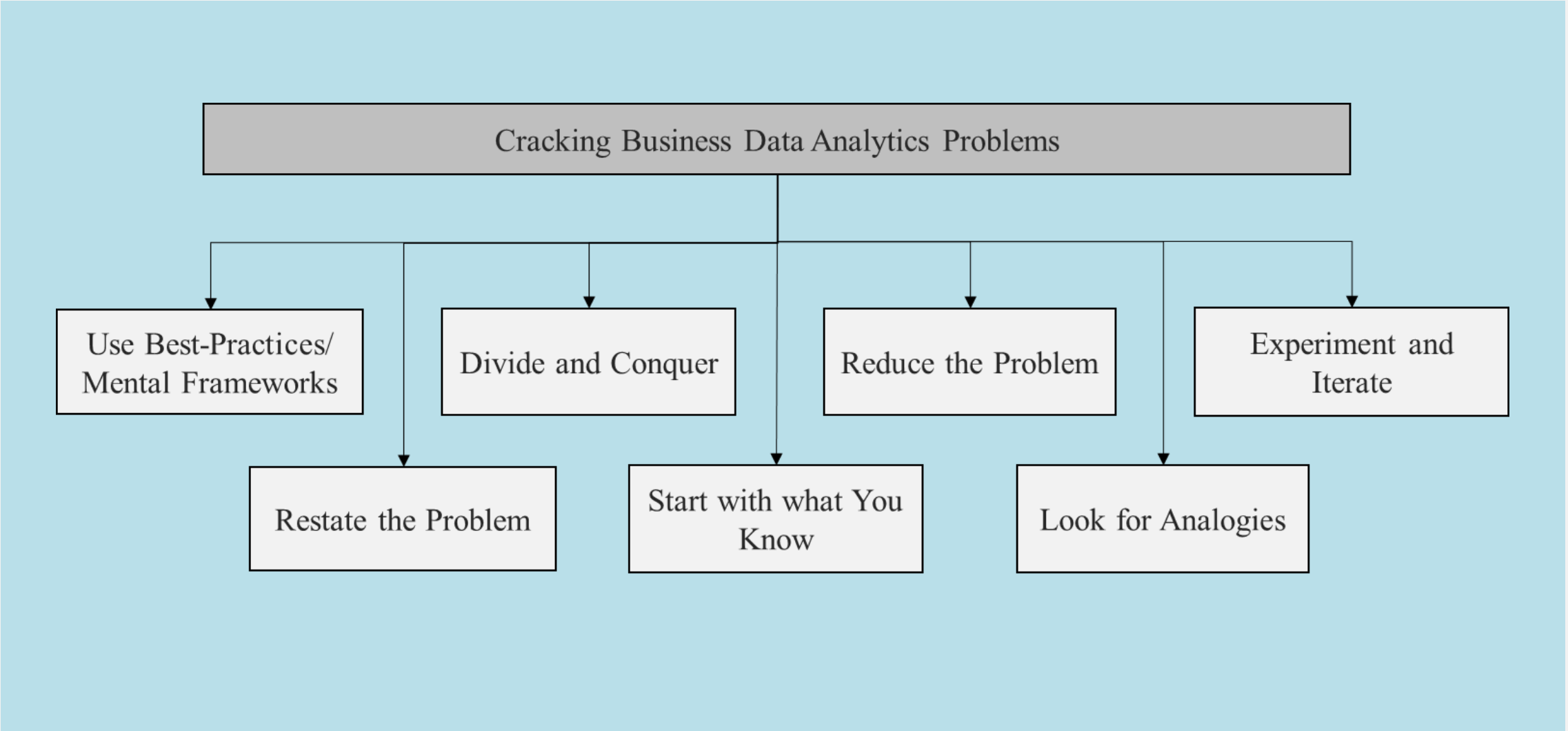
Free “CRISP-DM 1.0 *Step-by-step data mining guide*”

In-depth documentation and process guide

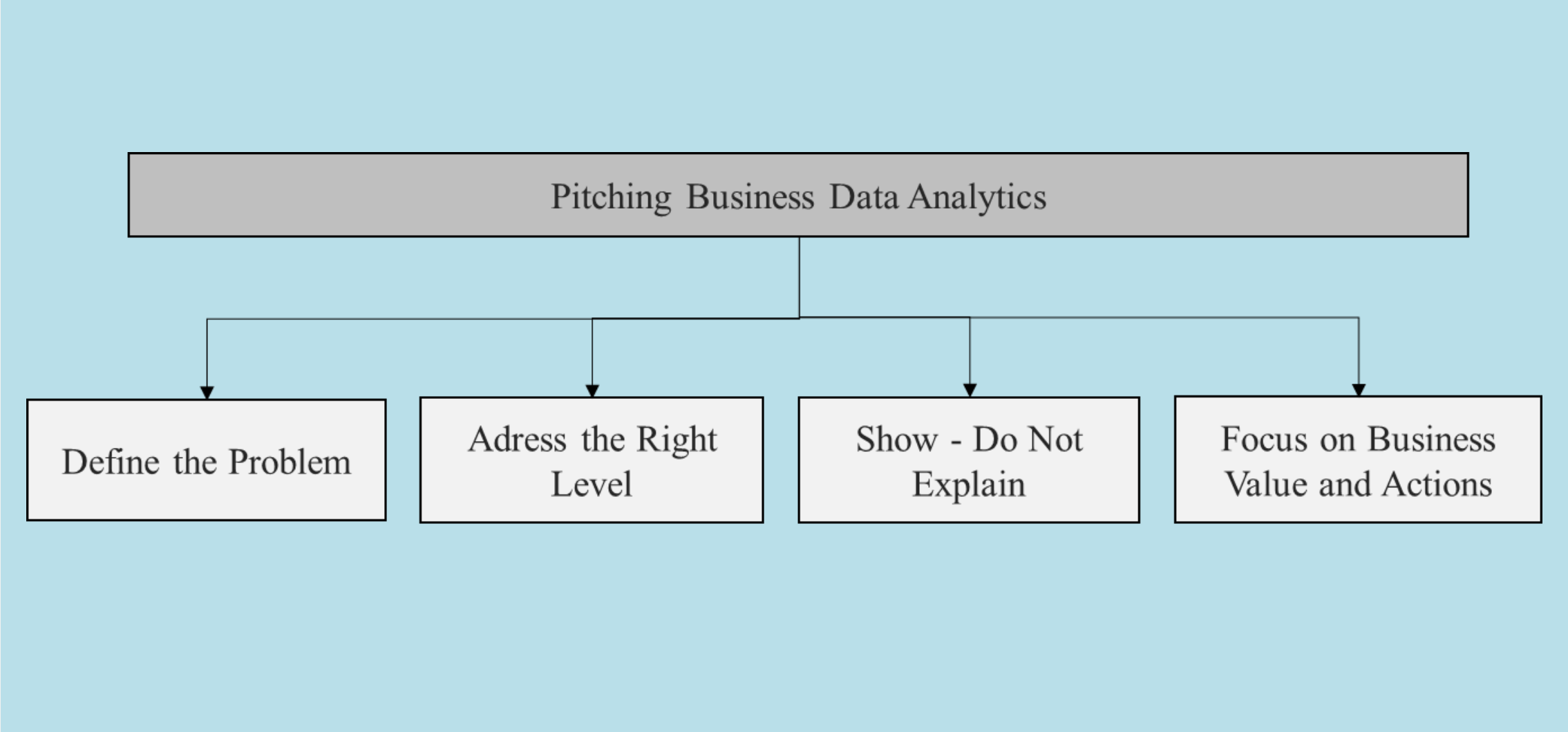


In the lecture “Business Analytics and Decision Support with R” we make a deep dive into the CRISP-DM

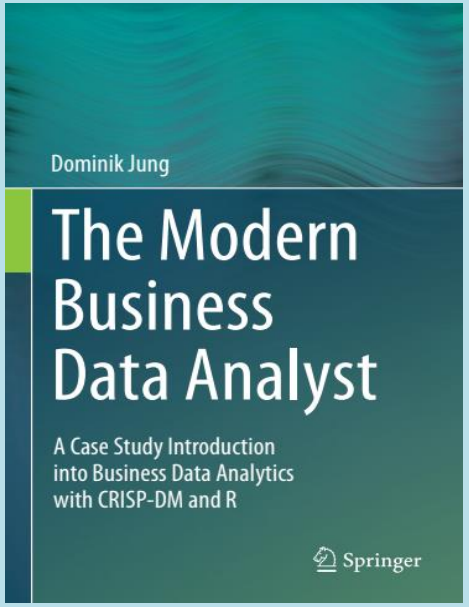
Heuristics to taggle the capstone problem



Pitching your project



Reading recommendations



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dominikjung42 added reading recommendations for the capstone — ad37073 · 3 minutes ago — History

Name	Last commit message	Last commit date
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2021	added lastest exam and formated spelling of the exam files	7 months ago
2022	added lastest exam and formated spelling of the exam files	7 months ago
2023	added lastest exam and formated spelling of the exam files	7 months ago
Report_Submission_Template_LATeX.zip	added capstone slides for 2023	last year
Report_Submission_Template_Word.docx	added capstone slides for 2023	last year
The Modern Business Data Analyst - Selected Chapters_protecte...	added reading recommendations for the capstone	3 minutes ago

PW: jung