CAP Domains and Objectives

# CHAPTER 2: DOMAIN I – BUSINESS PROBLEM FRAMING

Objective 1. Receive and refine the business problem

Objective 2. Identify stakeholders

Objective 3. Determine whether the problem is amenable to an analytics solution

Objective 4. Refine problem statement and delineate constraints

Objective 5. Define an initial set of business benefits

Objective 6. Obtain stakeholder agreement on the problem statement

# CHAPTER 3: DOMAIN II – ANALYTICS PROBLEM FRAMING

Objective 1. Reformulating the business problem statement as an analytics problem

Objective 2. Develop a proposed set of drivers and relationships to outputs

Objective 3. State the set of assumptions related to the problem

Objective 4. Define the key metrics of success

Objective 5. Obtain stakeholder agreement

# CHAPTER 4: DOMAIN III – DATA

Objective 1. Identify and prioritize data needs and resources

Objective 2. Identify means of data collection and acquisition

Objective 3. Determine how and why to harmonize, rescale, clean and share data

Objective 4. Identify ways of discovering relationships in the data

Objective 5. Determine the documentation and reporting of findings

Objective 6. Use data analysis results to refine business and analytics problem statements

# CHAPTER 5: DOMAIN IV – METHODOLOGY (APPROACH) SELECTION

Objective 1. Identify available problem solving approaches

Objective 2. Select software tools

Objective 3. Model testing approaches\*

Objective 4. Select approaches\*

# CHAPTER 6: DOMAIN V – MODEL BUILDING

Objective 1. Identify model structures

Objective 2. Evaluate and calibrate models and data

Objective 3. Calibrate models and data\*

Objective 4. Integrate the models\*

# CHAPTER 7: DOMAIN VI – SOLUTION DEPLOYMENT

Objective 1. Perform business validation of the model

Objective 2. Deliver report with the findings

Objective 3. Create model, usability, and system requirements for production

Objective 5. Support Deployment

# CHAPTER 8: DOMAIN VII – MODEL LIFECYCLE

Objective 1. Document initial structure

Objective 2. Track model quality

Objective 3. Recalibrate and maintain the model\*

Objective 4. Support training activities

Objective 5. Evaluate the business benefit of the model over time