Design of the Monitoring and Evaluation of Data Concerns

The goal of this assignment is to determine important data concerns and design components for monitoring and evaluating these data concerns in your in your scenario/mini project and propose how to utilize these concerns. Given your results from the 1st and 2nd assignments, in this assignment, you must

1) Determine some important data concerns for your scenario and data/services (in the 1st and 2nd assignments), explain the reasons for these data concerns and give their definitions in the context of your scenario.

2) Design components for monitoring these concerns. You don’t have to implement these components in this assignment but your design should cover
   a. How many evaluation components would you design for these selected concerns?
   b. Where are these components in your systems? Especially how to position them in the data pipelines
   c. What are the features and interfaces of these components?
   d. How do they obtain data and how do they return the evaluated data concerns?

3) Analyze the utilization of these concerns. For which use cases/situations would you use these concerns? How do such data concerns influence other services, e.g., your application-specific data analytics services?

4) Design at least one concrete function of data concerns for the end-user in your scenario. Examples are: if the user pays more, you will reduce the response time and increase the quality of the outputted results.

The report describing your work should be limited to 2 pages in IEEE computer society format template (https://www.ieee.org/conferences_events/conferences/publishing/templates.html). The PDF report must be submitted to TUWEL based on the deadline mentioned in TUWEL (9 May 2018).