

SEMA Homework Assignment

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Abstract

This document described the homework assignment for the SEMA course. The homework is made and delivered incrementally, so that the teacher can provide feedback during the assignment.

Distribution

This article or presentation is written as part of the Gaudí project. The Gaudí project philosophy is to improve by obtaining frequent feedback. Frequent feedback is pursued by an open creation process. This document is published as intermediate or nearly mature version to get feedback. Further distribution is allowed as long as the document remains complete and unchanged.

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Group Assignment

Submit each step to the teacher, and process feedback in the next step

Step 1. weeks 1..3

- Consolidate work of course in 20 slide presentation as baseline.
- Search for answers to the main questions, biggest uncertainties and unknowns, validate main assumptions.
- Elaborate most relevant models.
- Discuss your work with other stakeholders to collect more facts and figures and for early validation

Step 2. weeks 4..6

- Transform the presentation into a T-shape presentation
- Identify gaps in the “T”
- Make simple models to eliminate the gaps

Step 3 weeks 7..9

- Identify required changes in models made so far, due to increased insight;
- Change one of the models accordingly.
- Evolve the T-shape presentation (max 20 slides); the target audience of this presentation is your management.
- Present to company management
- Identify next models to be made, measurements to be done, or fact finding to take place.
- Update the presentation with feedback from management and a list of future work.

Individual Assignment

Write an individual reflection report after finishing the group assignment, answering the following questions:

What is the credibility and accuracy level (quantified, e.g. 1% or 50%) of the models so far and why?

In retrospect, formulate a problem statement that requires such modeling effort?

What would you do differently if you would have to do this again?

How are you going to apply this in practice?

preferred size 1 A4, max 2 A4.

Submission Instructions

Submission instructions

use for all deliverables the following conventions:

filename: SEMA <your name or team> <subject>.<version>.<extension>

e.g. SEMA WOSteam presentation.2.doc

or SEMA John Student individual report.1.docx

email to: <gerrit . muller@ usn . no>

subject: SEMA <subject>

"standard" file types preferred, e.g. pdf, jpg, doc, ppt, vsd, docx, xls, xlsx, ppt, pptx