# Assignment 1

Computational Intelligence, SS2020

Team Members				
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## 1 Maximum Likelihood Estimation of Model Parameters

### 2 Estimation of the Position

#### 2.1 Least-Squares Estimation of the Position

#### 2.2 Gauss-Newton Algorithm for Position Estimation

	Scenario 1	Scenario 2		Scenario 3
	Scenario 1	with exponential anchor	without exponential anchor	Scenario 3
Error mean $\mu_e$	0.2779	0.6402	0.3988	1.2697
Error variance $\sigma_e^2$	0.0216	0.2745	0.0541	0.9622

Table 1:.

#### 2.3 Numerical Maximum Likelihood Estimation of the Position

	Least-Squares	Numerical Maximum Likelihood	Bayes
Error mean $\mu_e$	0.9621	0.9154	0.3080
Error variance $\sigma_e^2$	1.2697	0.4889	0.0135

Table 2: .