

Data science roadmap template

Beginning your data science journey

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Guidance

At the beginning of a data science consultancy engagement, we would work with the client to produce an assessment of potential ideas like the brief example/template in the table below, together with a detailed plan of how each project can be approached taking into account the business impact of each one.

Many of these tasks will be extremely similar to tasks we have undertaken for clients with text data in other industries, and hopefully some learnings can be directly translated to the new client's use case.

Potential tasks

Task	Technical difficulty	Business impact
Extract key parameter from document (contract participants, trial phase, cancer stage, address, name, cost, date)	Easy	Low
Triage incoming documents (<5 categories)	Easy	Medium
Identify common topics (clusters) in documents	Medium	Medium
Triage incoming documents (50 categories)	Medium	High
Classify caseload or document bundle as high/low risk based on NLP combined with risk model	Hard	High
Classify caseload or document bundle as high/low cost based on NLP combined with risk model	Hard	High
Classify caseload or document bundle as high/low complexity based on NLP combined with risk model	Hard	High
Static analysis for time, spatial trends or clustering of customers	Easy	High