

a step-by-step guide to creating datadriven business projects for managers

Guillaume Lecuyer & Clément Levallois



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Saint-Etienne

by Guillaume Lecuyer and Clément Levallois

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Preface

A guide for managers

The target reader for this book is a manager who needs to act on the imperative to "create value with data" in their organization:

- Comex members in charge of deploying the strategic vision of the CEO
- Directors of business units and functional teams who must translate the directions of the Comex into concrete business projects and perspectives for development

DATOM is a step-by-step method guiding managers from a stated strategic vision to plans for action for projects with a data-centric logic.

a step-by-step guide to creating datadriven business projects for managers

Benefits of the method

- A guide to the creation of business projects aligned with the strategic objectives of the Organisation
- With precise instructions on how to include a data driven logic in the value creation process
- Graphical method, suitable for individual and team work.

CC C C C Designed by Guillaume Lecuyer & Clément Levallois	which will contribute to the fulfillment of the strategic priorities stated	Could be leveraged to create a product or service meeting the needs of this stakeholder	Ø.	#2 These sources of data:	The 2 strategic priorities as stated by our executive management are to	Our firm is In the in	Initial pitch / 4D Methodology
OIS This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License	trategic priorities stated above.	rvice meeting the needs of this stakeholder			cutive management are to	In the industry of	Designed by:
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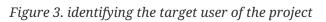
Figure 1. initial pitch

Strategic obj. / 4D Methodology

Designed by:	
Date:	

"In 5 years	s time, we must be the leader of
"By provi	ding to
Which trar	nslates into these 3 strategic objectives:
#1	
#2	
#3	
	Or, in your own words:
cc (i) (S) (Design	ned by Guillaume Lecuyer & Clément Levallois This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.

Figure 2. restating the strategic objectives



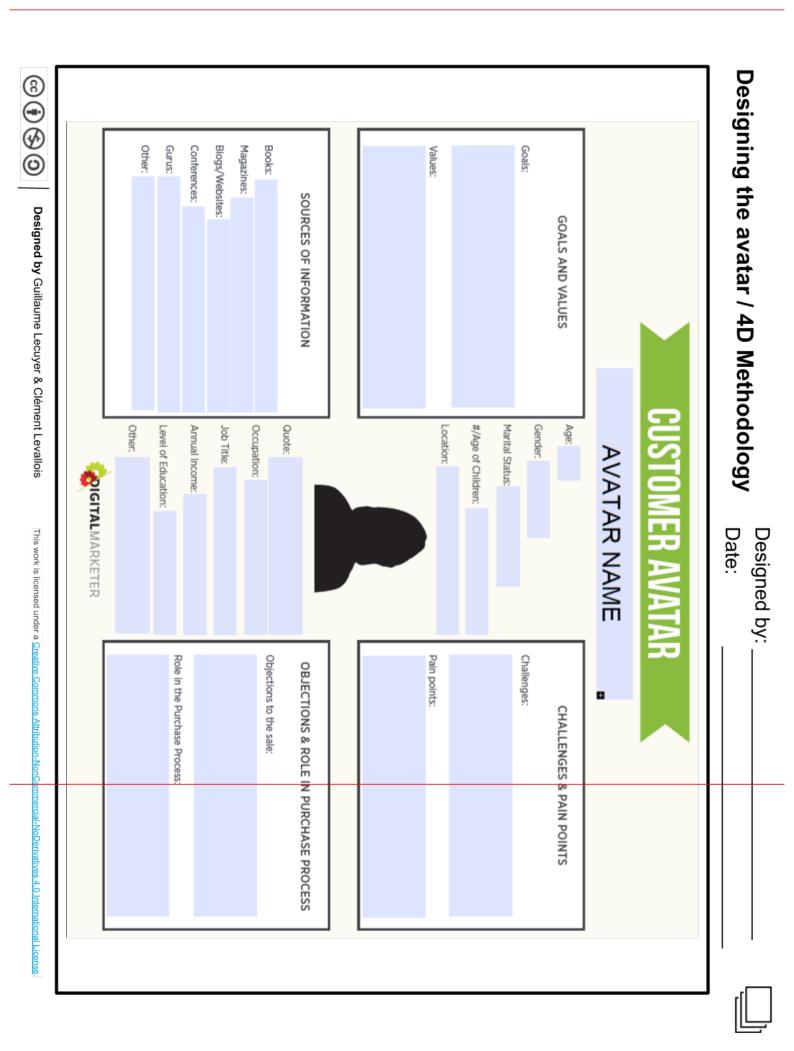


Figure 4. detailing the avatar of the target user

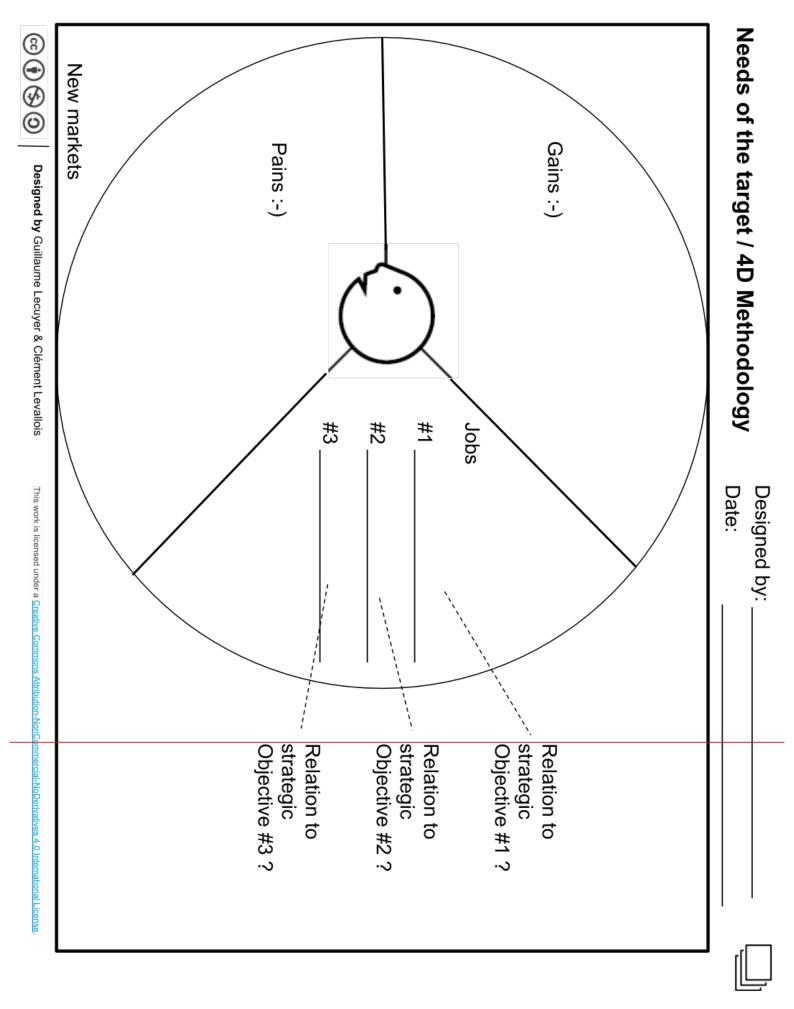


Figure 5. mapping the needs of the target user

Figure 6. ideation on potential data sources

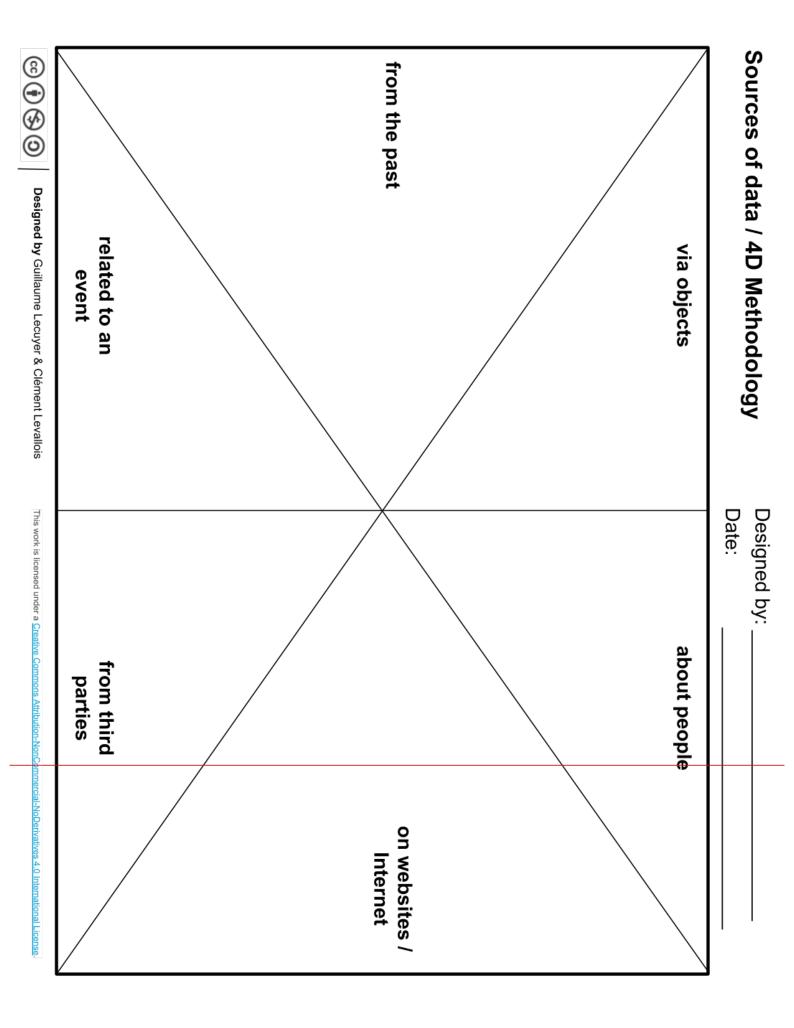


Figure 7. ideation on potential data sources

© (1) (S) (D) Design	Complete?	Personal and sensitive data?	Time series?	Follows universal categories or is it firm specific?	Structured or not?	Machine readable?	BONUS POINTS 1 to 5 (1 = hard, 5 = easy)	Details of datase
Designed by Guillaume Lecuyer & Clément Levallois	No missing records, years, values, and no errors.	Personal data comes with more constraints. Sensitive data even more.	is the data collected several times across months or years?	a dataset following INSEE or Eurostat categories is quite universal.	if the dataset is "Excel like' then it is quite structured. Free text, web pages or pictures are typically very unstructured.	if the data is in a .docx or pdf file, software can't read it. A database or even a csv file is better.	Explanations	Details of datasets / 4D Methodology
This work is licensed under a <u>Creati</u>							Dataset 1:	Designed by: _ Date:
ve Commons Attribution-NonCo							Dataset 2:	
This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.							Dataset 3:	

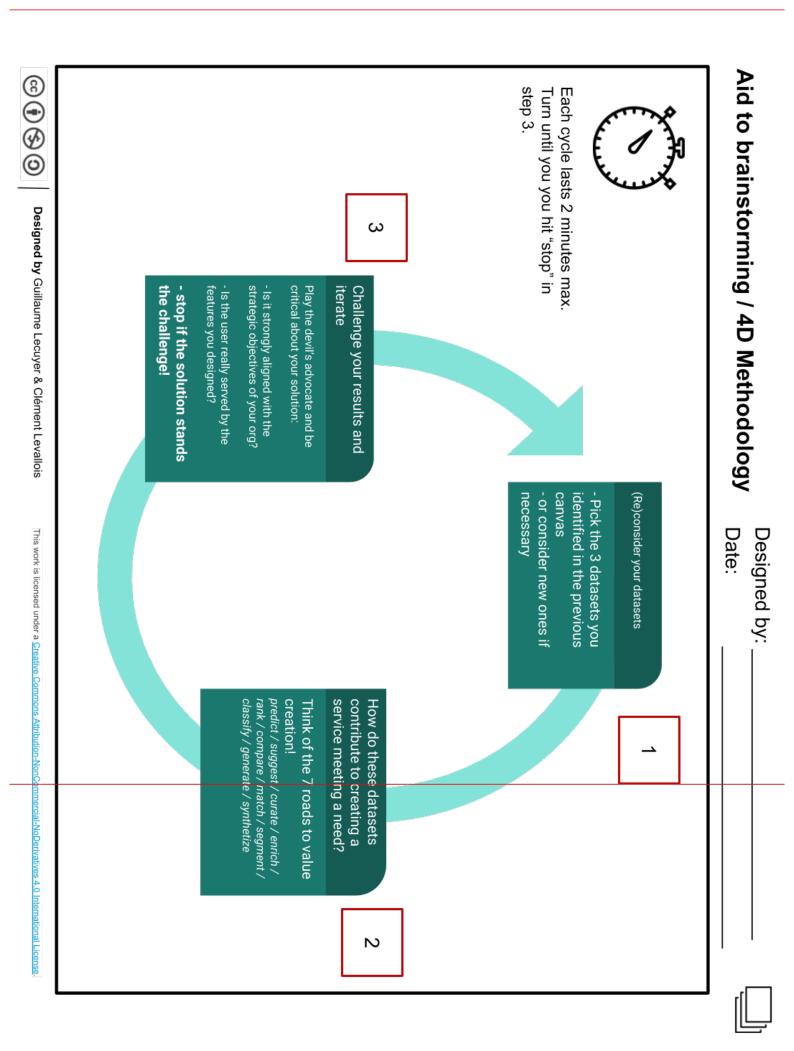


Figure 9. brainstorming on data x target user needs

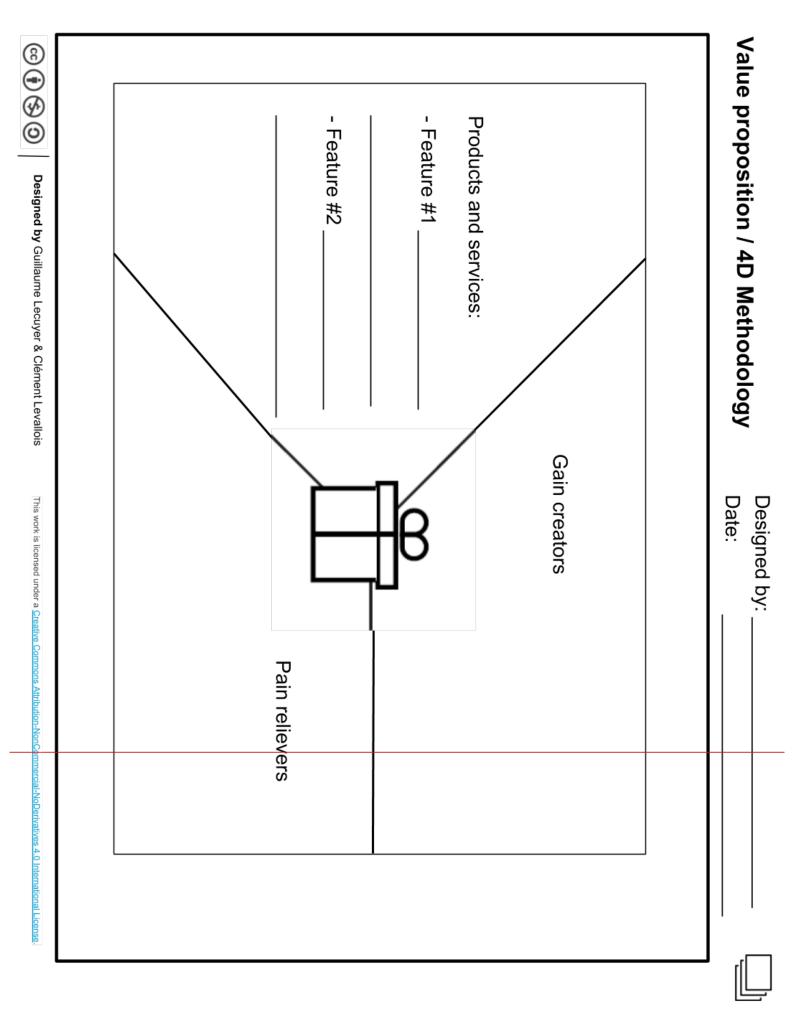


Figure 10. formalizing the value proposition

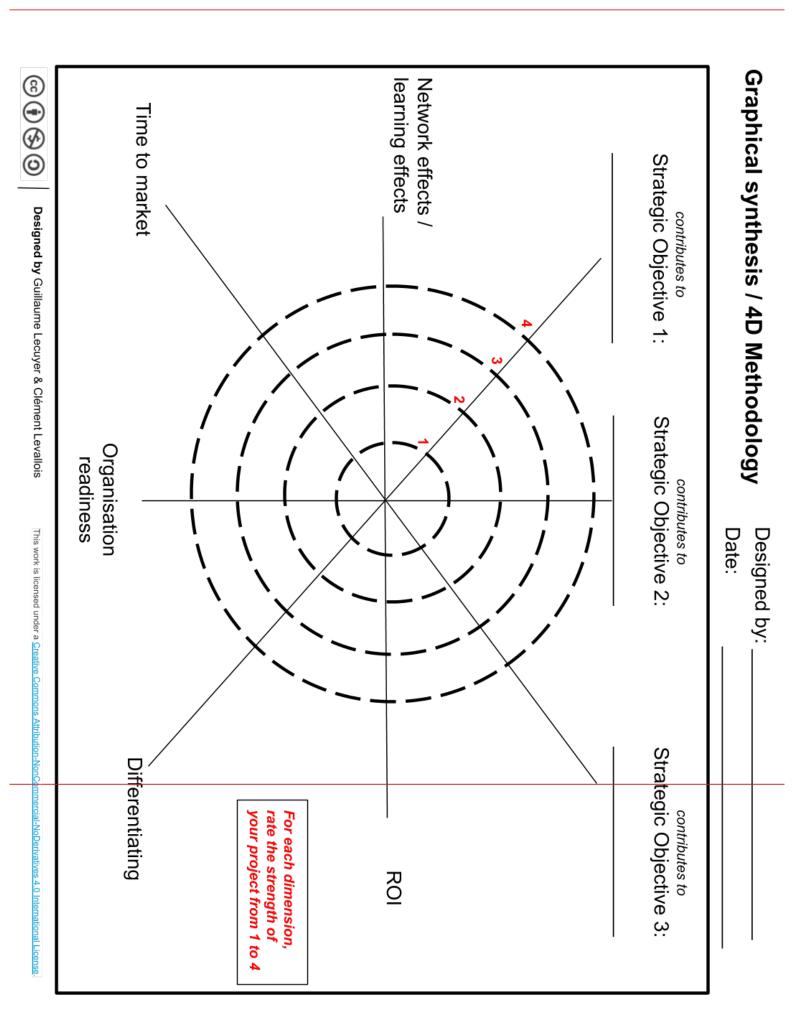


Figure 11. synthesis - in a visual format

Graphical synthesis / 4D Methodology

Designed by: ______

Date:

Syn	thesis
Name of the organization	Name of the idea
Target users and their	needs / problems to solve
Description	n of the idea
How does it match the s	strategic priorities of the org
Datasets / data source	es contributing to the idea
Expecte	ed benefits

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ABOUT THE AUTHORS

Guillaume Lecuyer is Senior Product Marketing Manager at Visiativ. Graduate from Telecom Paris Sud, he worked in sales at Oracle EMEA before joining the CRM product management team at in California. He came back to France in 2005 to manage the CRM product strategy, still at Oracle. After 3 years at Coheris as a VP for Marketing, he joined Visiativ to supervise the strategy for marketing and product development.

Clément Levallois is professeur agrégé de l'école normale supérieure and Associate Professor at em **lyon business school**, where he conducts research projects in data mining, data visualization and network analysis in various fields of social sciences. His teaching activities center on the transmission of a digital culture to students and executive participants.

Clément Levallois is a Java coder and an active supporter of Gephi, the leading software for network visualization. In a previous academic life, he researched the history of economics and biology in post-war U.S.A.

His past and current projects can be seen at http://clementlevallois.net, and he can be reached on Twitter at @seinecle.

A step-by-step guide to creating data-driven business projects for managers

A concise and visual method to go develop business projects aligned with the strategic priorities of the organization.

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