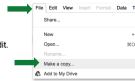


How to use this template:
 This is a view-only file and cannot be edited.
 Create your own copy of this template to edit.
 In the menu, click File > Make a copy...



HDMADV Six Sigma Pugh Matrix Template – Example

HDMADV stands for the phases of the Design for Six Sigma (DFSS) methodology, which is a variation of Six Sigma focused on designing new products or processes.

H	Hypothesize	Formulate initial hypotheses or ideas for potential solutions.
D	Define	Clearly define the problem, objectives, and customer requirements.
M	Measure	Measure and collect data on current processes and capabilities.
A	Analyze	Analyze the data to identify root causes and potential solutions.
D	Design	Design the new process, product, or solution based on the analysis.
V	Verify	Confirm that defined objectives are met.



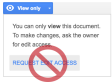
1	Better
0	Same
-1	Worse

Design Options

Critical to Quality (CTQ) Items

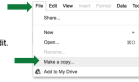
	WEIGHT	Concept A: US Concept B: High-speed, solar-powered charging stations	Concept C: Compact, solar-powered charging units with battery storage	Concept D: Limited charging stations with integrated outdoor furniture	Concept E: Limited charging stations with minimal footprint	Concept F: Charging stations with integrated renewable energy sources	Concept G: Modular, mobile charging units with dynamic pricing	Concept H: Compact, urban-based charging stations	Concept I: Community-based charging hubs	Concept J: Compact, solar-powered charging stations powered by wind energy	Concept K: Limited charging stations for on-demand service
Performance Reliability	8	1	1	1	1	-1	-1	0	1	0	0
Operational Efficiency	9	-1	-1	1	0	-1	-1	0	1	1	0
Customer Satisfaction	5	0	0	1	1	-1	0	0	1	0	0
Cost Optimization	2	0	1	0	0	-1	1	0	1	0	-1
Ease of Implementation	3	0	1	0	1	0	-1	0	1	-1	-1
Scalability Potential	7	0	1	-1	1	0	0	0	1	-1	0
Innovation Level	8	0	1	-1	0	0	1	1	1	0	0
Sustainability Impact	3	1	1	-1	-1	0	0	1	1	-1	1
Regulatory Compliance	2	1	0	-1	0	1	0	0	1	-1	1
Market Competitiveness	5	1	0	-1	0	0	0	1	1	0	1
Maintenance Requirements	2	-1	-1	0	1	1	0	1	1	-1	1
Energy Efficiency	10	-1	-1	1	1	0	0	0	0	-1	1
Other	7	0	-1	1	1	1	1	-1	0	-1	1
Other	1	1	-1	1	1	0	1	0	-1	0	1
Number of 1	5	6	6	8	3	4	4	11	1	7	
Number of 0	6	3	3	5	7	7	9	2	6	5	
Number of -1	3	5	5	1	4	3	1	1	7	2	
Non-Weighted Solution Scores	2	1	1	7	-1	1	3	10	-6	5	
Weighted Solution Scores	-2	2	15	40	-13	-2	11	53	-25	25	

[CLICK HERE TO CREATE IN SMARTSHEET](#)



How to use this template:
This is a view-only file and cannot be edited.
Create your own copy of this template to edit.

In the menu, click **File > Make a copy...**



Dropdown Key

1	Better
0	Same
-1	Worse

Any articles, templates, or information provided by Smartsheet on the website are for reference only. While we strive to keep the information up to date and correct, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability, or availability with respect to the website or the information, articles, templates, or related graphics contained on the website. Any reliance you place on such information is therefore strictly at your own risk.