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Research Evidence - Does Half Double work?


Per Svejvig

Key Questions addressed in this presentation

- Are Half Double Projects synonymous with success?
- Does the Half Double Methodology genuinely make a difference?
- What are the specific contexts and characteristics of successful Half Double projects?
- Can small and medium-sized enterprises (SMEs) harness the potential of the Half Double Methodology?
- Where can I read more?

Data Collection from 2015-2023

 **28**
Half Double
Projects

 **88**
Comparable
reference projects

 Respondents

#1	389
#2	132
#3	1472
#4	390

 **23**
Organizations
evaluated

**In-depth
studies
mixed
methods
2015-2023**

 **9**
SMEs
evaluated

**Four
Surveys
2020-2023**

The objective of the Half Double Project Methodology

To define a project methodology that **can increase the success rate** of projects while **increasing the development speed** of new products and services.

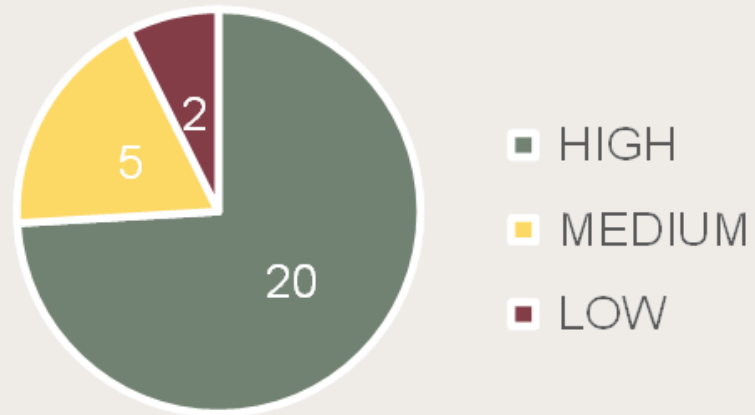
Disclaimer



There are always limitations and uncertainties with research.

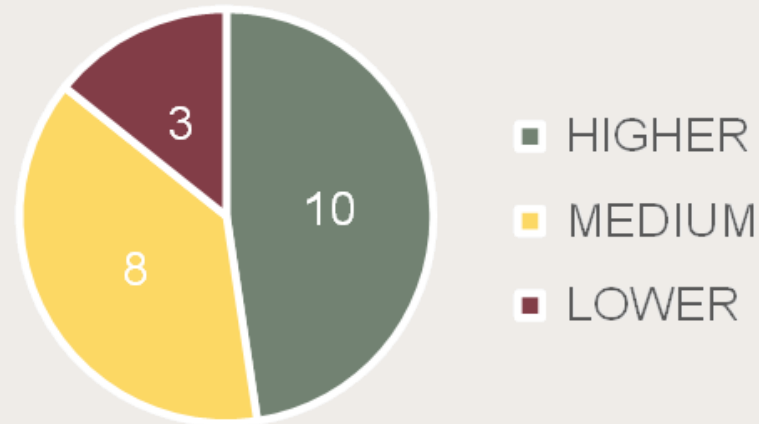
Are Half Double Projects synonymous with success?

ABSOLUTE SUCCESS RATE
n = 27



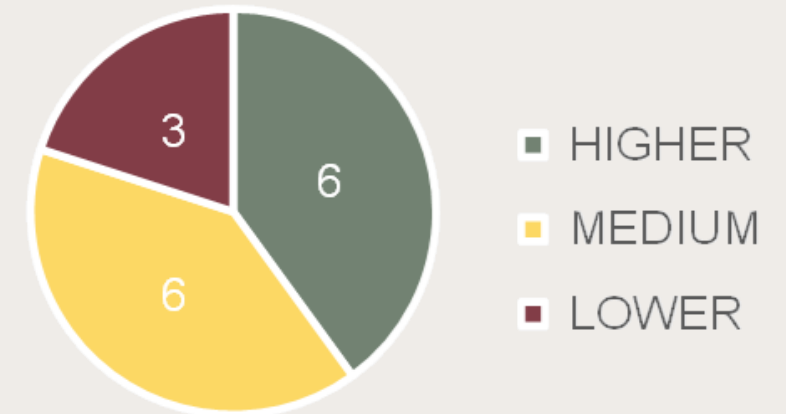
74%
HIGH SUCCESS

RELATIVE SPEED
n = 21



47%
HIGHER SPEED

RELATIVE IMPACT
n = 15



29%
HIGHER IMPACT

The Half Double Method performs well compared to other success studies

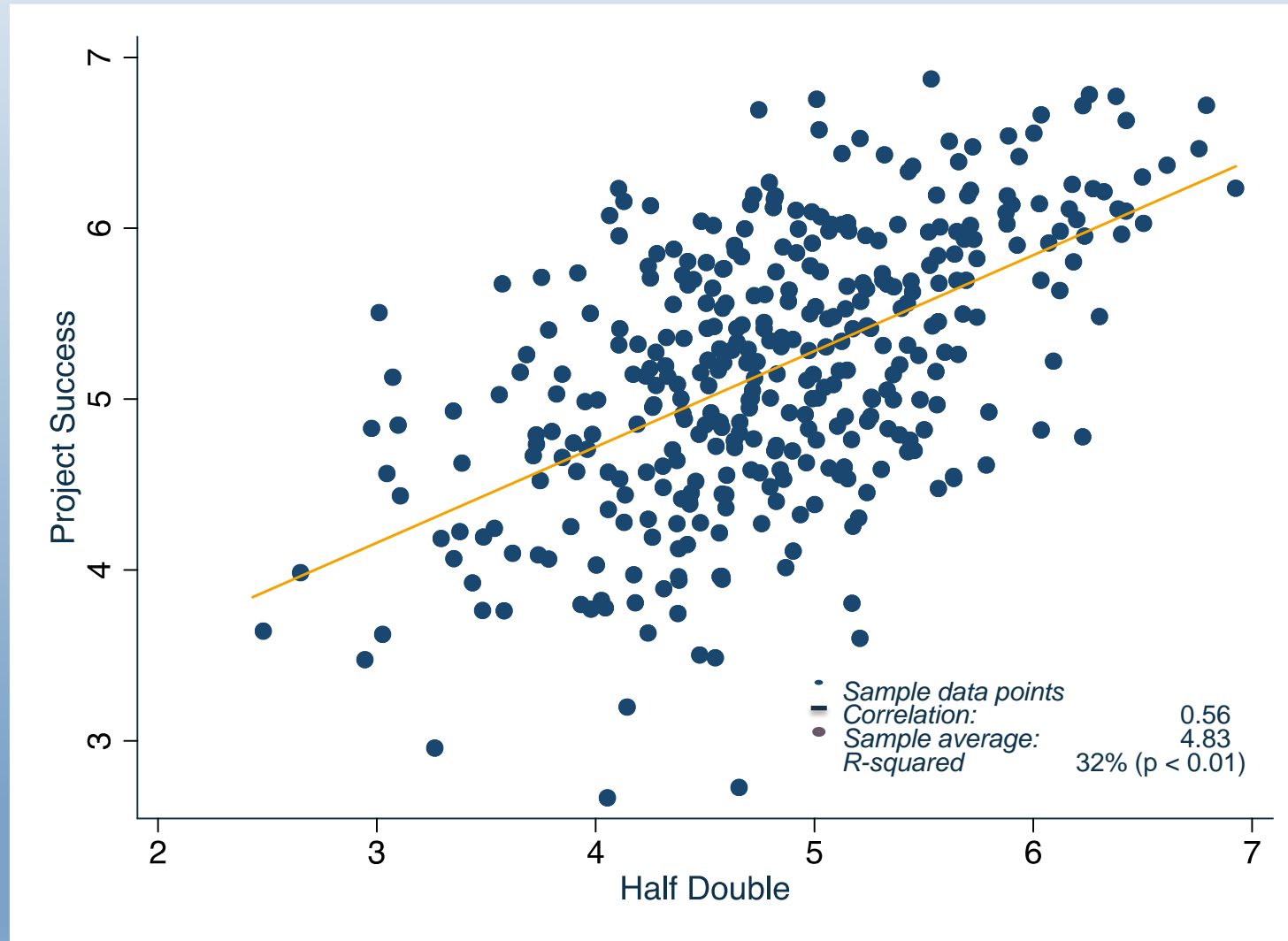
Dimension	Half Double Projects (report 2023)	PMI (2023)	CHAOS (2022)
Success	74%	65-72%	31%
Failure	7%	17-25%	19%
<i>Method</i>	<i>Quantitative and qualitative in-depth study with 28 Half Double projects compared with 88 reference projects</i>	<i>Quantitative data from a survey with 3.492 respondents from around the world with a focus on North America. Qualitative data 12 interviews</i>	<i>Quantitative data from global database with 50.000 cases primarily within software development</i>
<i>Sources</i>	<i>Rode and Svejvig 2023</i>	<i>The PMI report is published by the Project Management Institute (Le Manh, 2023)</i>	<i>The CHAOS report is published by The Standish Group (Johnson, 2022)</i>



Be careful when you compare success and failure rates and try to understand how they are measured and in which context

(Adapted from Rode and Svejvig 2023: 25)

Half Double Methodology as a whole show strong positive correlation with the project result in our sample

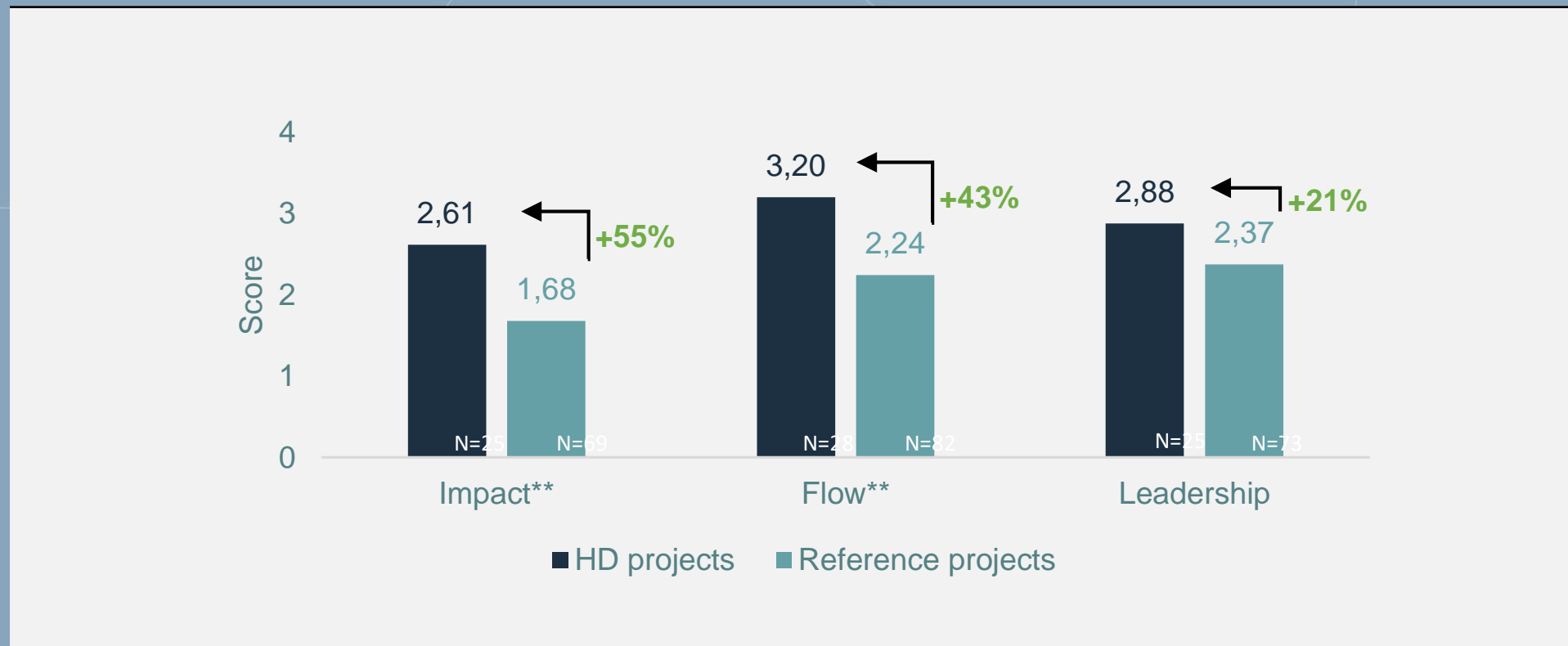


- There is a strong and significant relationship between using Half Double Methods and project success (390 projects)
- 32% of project success could be explained by using the Half Double Methods, which is a high explanation in social science

R-squared is a goodness-of-fit measure for linear regression models. This statistic indicates the percentage of the variance in the dependent variable that the independent variables explain collectively. R-squared measures the strength of the relationship between your model and the dependent variable on a convenient 0 – 100% scale (source: <https://statisticsbyjim.com/regression/interpret-r-squared-regression/>)

Does the Half Double Methodology genuinely make a difference?

- The three core elements Impact, Flow and Leadership are much more prevailing in Half Double Projects than in the reference projects



*indicates that the difference in mean values for HD projects and reference projects are significant at a level of 99% ($\alpha = 0.01$).

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What are the specific contexts and characteristics of successful Half Double projects?

- An evaluation of contexts and characteristics for 28 HD projects shows that the HDM is implemented in a variety of projects and organizations
- The HDM is implemented in small, medium, and large organizations across sectors and 12 industries.
- HD projects vary in complexity, scale, and size including small, medium, and large projects – costing up to 650 million DKK and involving almost 350,000 hours
- Hence, the HDM is perceived as relevant in many contexts and across many characteristics.

- **Can small and medium-sized enterprises (SMEs) harness the potential of the Half Double Methodology?**
- HDM makes a difference in practice for small- and medium-sized enterprises (SMEs).
- 134 SMEs have used the Half Double Methodology (not detailed evaluated)
- 10 HD projects in the SME segment have been evaluated in depth and compared with 58 SME reference projects and show a success rate of 90% and a failure rate of 0%, which is higher than compared to the full population (74% success and 7% failure)
- Hence, HD projects' success and failure rates in SMEs are positive – although the data set is rather small

Where can I read more? Latest report published June 2023



(Rode and Svejvig 2023)

References

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Questions?

