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Bounding Uncertainty

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Publication date: 2020

Document Version Early version, also known as pre-print

Link to publication in Tilburg University Research Portal

Citation for published version (APA):

Sergeeva, A., Bhardwaj, A., & Dimov, D. (2020). *Bounding Uncertainty: The Uses of Analogical Abduction in Entrepreneurship.* (CentER Discussion Paper; Vol. 2020-002). CentER, Center for Economic Research.

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No. 2020-002

BOUNDING UNCERTAINTY: THE USES OF ANALOGICAL ABDUCTION IN ENTREPRENEURSHIP

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9 January 2020

ISSN 0924-7815 ISSN 2213-9532



Bounding Uncertainty: The uses of analogical abduction in entrepreneurship

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BOUNDING UNCERTAINTY: THE USES OF ANALOGICAL ABDUCTION IN

ENTREPRENEURSHIP

ABSTRACT

Conceptualizing entrepreneurship as problem-solving has shed light on how problems are solved

through entrepreneurial ventures. This approach presupposes that problems objectively exist, an

assumption that is valid for the world of Knightian risk, in which categorization is possible. In the

current study, we adopt the ontological stance of Knightian uncertainty, in which a priori categories

cannot be assumed, and therefore problems do not objectively exist. We posit that in the world of

Knightian uncertainty entrepreneurs who perceive certain situations as unsatisfactory but remediable

engage in problematization which yields problem statements. These problem statements are

operationalized to form the basis of entrepreneurial action aimed at remedying dissatisfaction. We

submit that to problematize, entrepreneurs engage in analogical abduction, which allows them to develop

problem statements by treating target domains replete with Knightian uncertainty as if they were

similar to familiar source domains. Such conjectures are selected based on the likeness of relevant

attributes between the source and target domains, aid entrepreneurs in bounding uncertainty, and

guide entrepreneurial action. Entrepreneurs adopt positive feedback of entrepreneurial action as a rule

to guide future action under similar circumstances, while negative feedback leads them to recalibrate

problem statements and modify further action. We illustrate this process using the empirical vignette

of Starbucks.

Keywords: Knightian uncertainty, problem solving, analogical abduction, entrepreneurial reasoning.

* The full paper is available on request.