















Decision–Making Conditions	Al-Based Decision Making	Human Decision Making
Specificity of the decision search space	Requires a well-specified decision search space with specific objective function/s.	Accommodates a loosely defined decision search space.
Interpretability of the decision-making process and outcomes	Effectively a black box: Difficult to interpret the decision process.	Decisions are explainable and interpretable, but vulnerable to retrospective sense-making
Size of the alternative set	Accommodates large alternative sets	Limited capacity to uniformly evaluate a large alternative set.
Decision-making speed	Comparatively fast with limited trade-off between speed and accuracy.	Comparatively slow with high trade-off between speed and accuracy.
Replicability of decision-making process and outcomes	Highly replicable due to standard computational procedure	Replicability is vulnerable to intra- and inter-individual factors such as experience.



![](_page_5_Figure_0.jpeg)

![](_page_5_Figure_1.jpeg)

![](_page_6_Picture_0.jpeg)

![](_page_6_Picture_1.jpeg)

![](_page_7_Figure_0.jpeg)