Ox helps people make high-quality judgments by powering structured analytic techniques with AI.

TEAM

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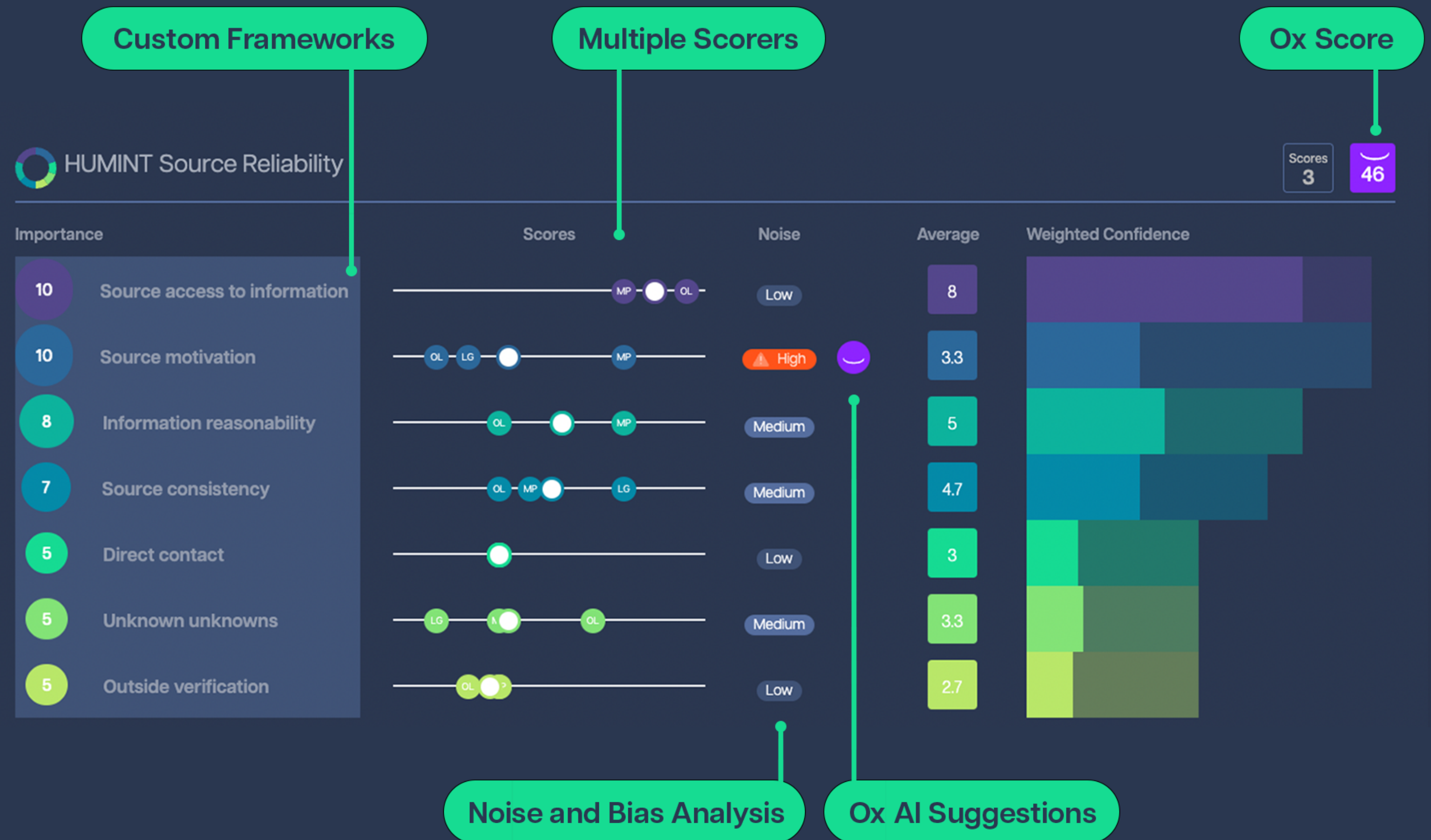20 years at CIA across 3 agency directorates

THE CHALLENGE

Traditional assessment processes suffer from inefficiencies, bias, and noise. AI can help improve how people make assessments but adoption faces numerous barriers:

- Making assessments is a complex process that usually takes place inside people's heads or in unstructured formats

- Subjectivity and disagreement are typical — there is often no clear right answer

- The lack of transparency and inattention to outcomes makes it hard to identify good judgments and learn from faulty ones

- **Human judgment is important** — people don't want to surrender control over analysis to black box AI

THE SOLUTION

Ox helps analysts harness AI to strengthen, accelerate, and improve their assessments without surrendering their judgment or control.

Custom Frameworks

Multiple Scorers

Ox Score

Noise and Bias Analysis

Ox AI Suggestions

HUMINT Source Reliability

Importance		Scores	Noise	Average	Weighted Confidence
10	Source access to information	MP — OL	Low	8	
10	Source motivation	OL LG — MP	⚠ High	3.3	
8	Information reasonability	OL — MP	Medium	5	
7	Source consistency	OL MP — LG	Medium	4.7	
5	Direct contact		Low	3	
5	Unknown unknowns	LG M OL	Medium	3.3	
5	Outside verification	OL	Low	2.7	

Scores 3 46

METHODOLOGY

Ox's structured approach to judgments is one that has been embraced by decision scientists, behavioral economists, and intelligence professionals as the best way to combat bias and noise, make more accurate predictions, and integrate technology into judgment-making processes.
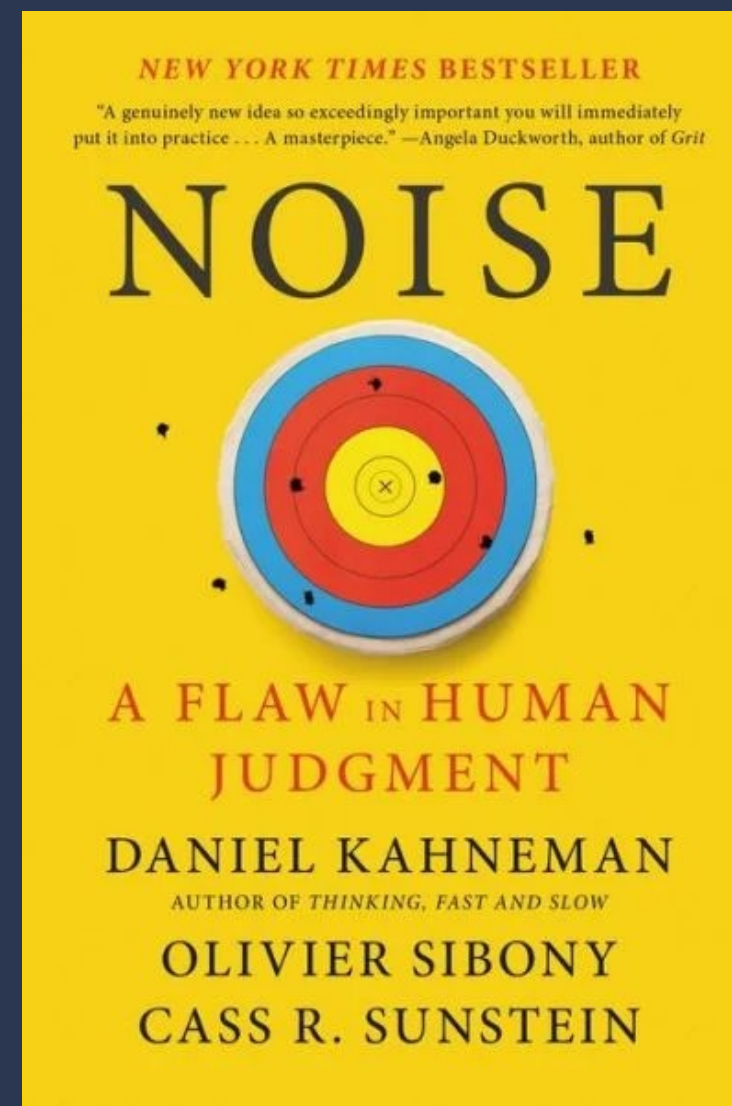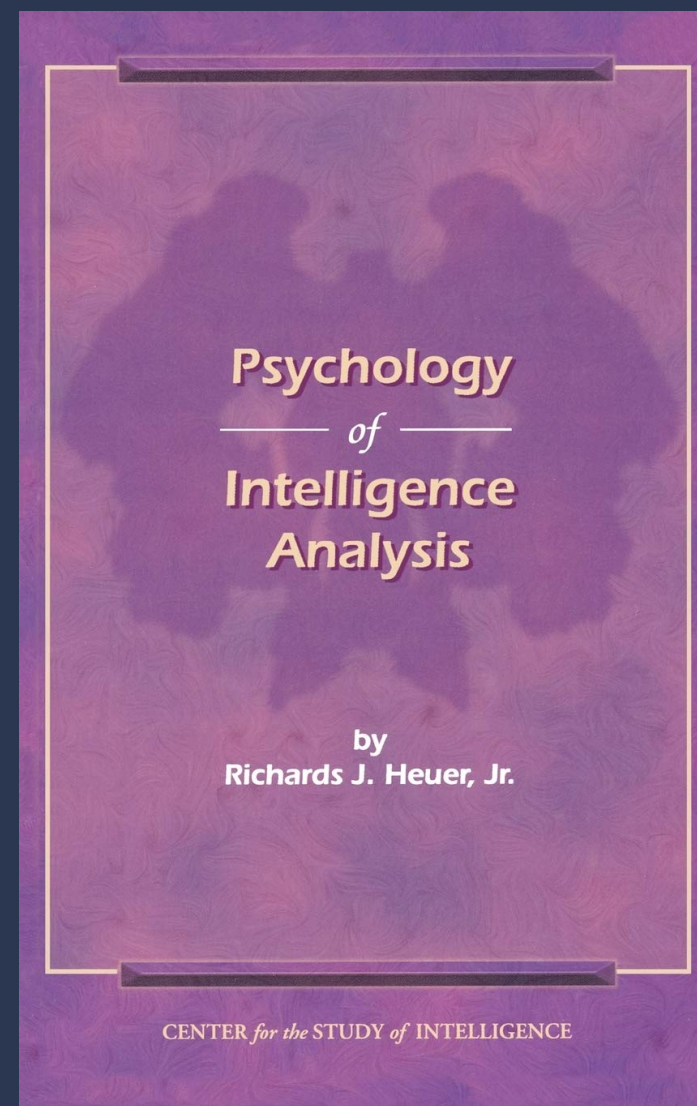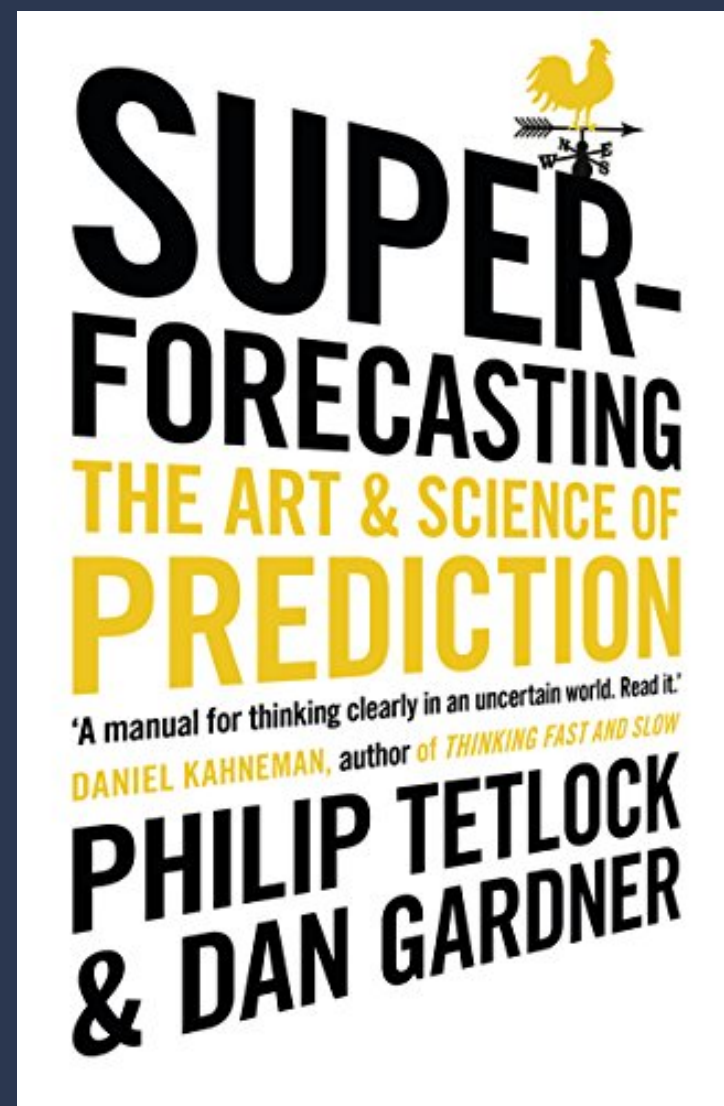
Ox is focused on reducing **noise**, or unwanted variability in professional judgments.

Noise has been found to have detrimental affects across many fields, including medicine, law, forecasting, hiring, and **intelligence analysis**.

UNDERSTANDING NOISE

Noise may materialize as:

- **level noise:** two individuals in the same profession making different judgments about the same problem despite access to the same information

- **pattern noise:** the variance in criteria selection or weighting of factors examined by like professionals when making judgments

- **occasion noise:** a single professional exhibiting variance in their judgments based on unrelated factors, such as the weather or time of day

Noise has wide-ranging consequences, such as inconsistent criminal sentencing, inaccurate medical diagnoses, unfair hiring practices, and **flawed intelligence forecasts**.

OX FRAMEWORKS

Ox is a multi-purpose assessment tool that empowers analysts to make high-quality judgments through the use of Ox frameworks.

Frameworks help simplify complex judgments, making the processes behind them transparent, transferrable, and easily trainable.

ASSESSMENTS

Ox builds confidence in assessments by documenting their contributing factors and limiting the impact of bias and noise.
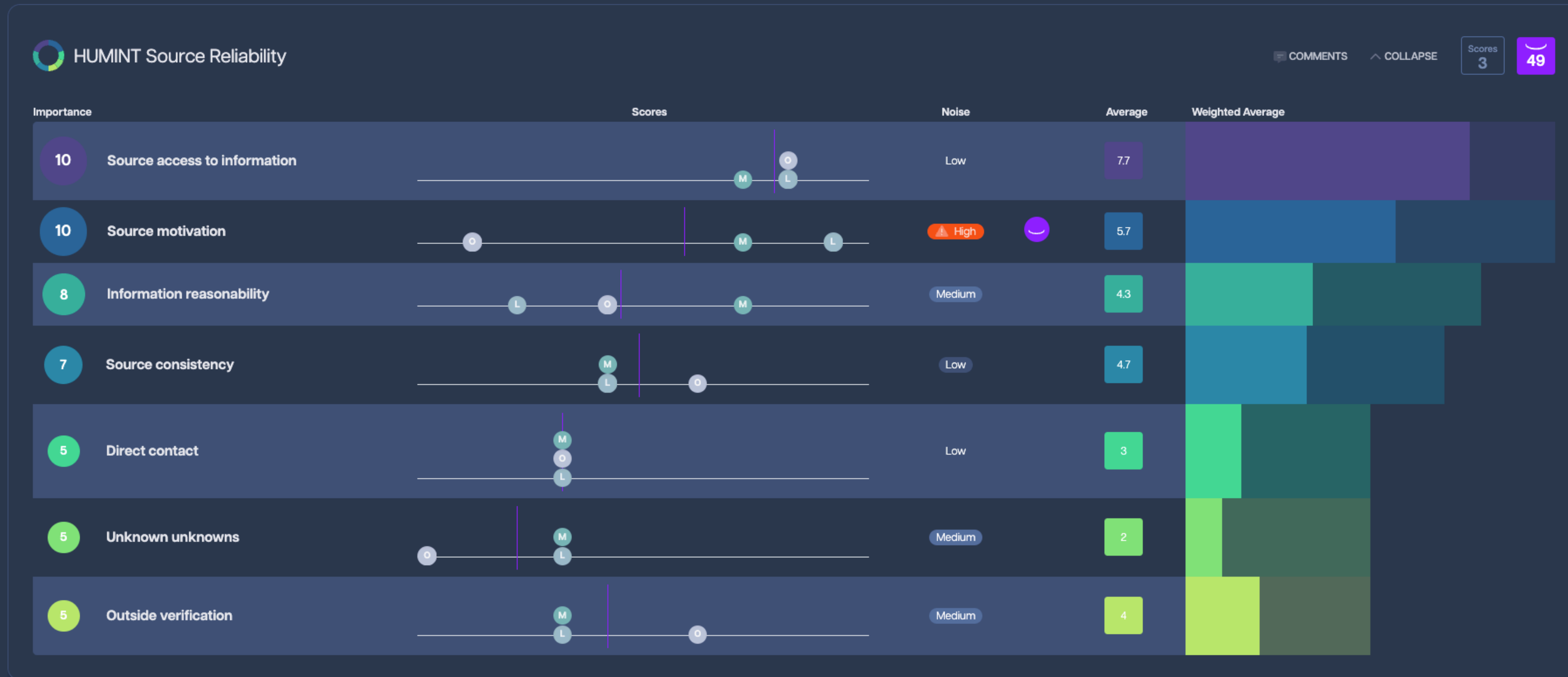
IDENTIFYING NOISE

Ox proactively identifies opportunities to make better judgments and makes smart suggestions aimed at improving analytical processes.

OX & REASON

REASON is developing technology to help analysts identify strengths and weaknesses in their reasoning as they make judgments in the face of uncertainty.

We will test Ox's existing capabilities focused on:

- Developing frameworks for assessments in order to increase rigor, transparency, and accuracy

- Identifying the influence of in noise in assessments and making AI-powered recommendations for reducing it

We will also conduct R&E focused on:

- Augmenting Ox's suggestions to reduce bias and improve accuracy

- Integrating Ox's tooling into analyst workflows, including via platform integrations, data intake, and customizable and automated scoring

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