



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

TEAM



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33 years & former Acting Executive Director at CIA



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Former CEO, Govini, Mission Essential



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CEO, Grist Mill Exchange
20 years at CIA across 3 agency directorates

THE CHALLENGE



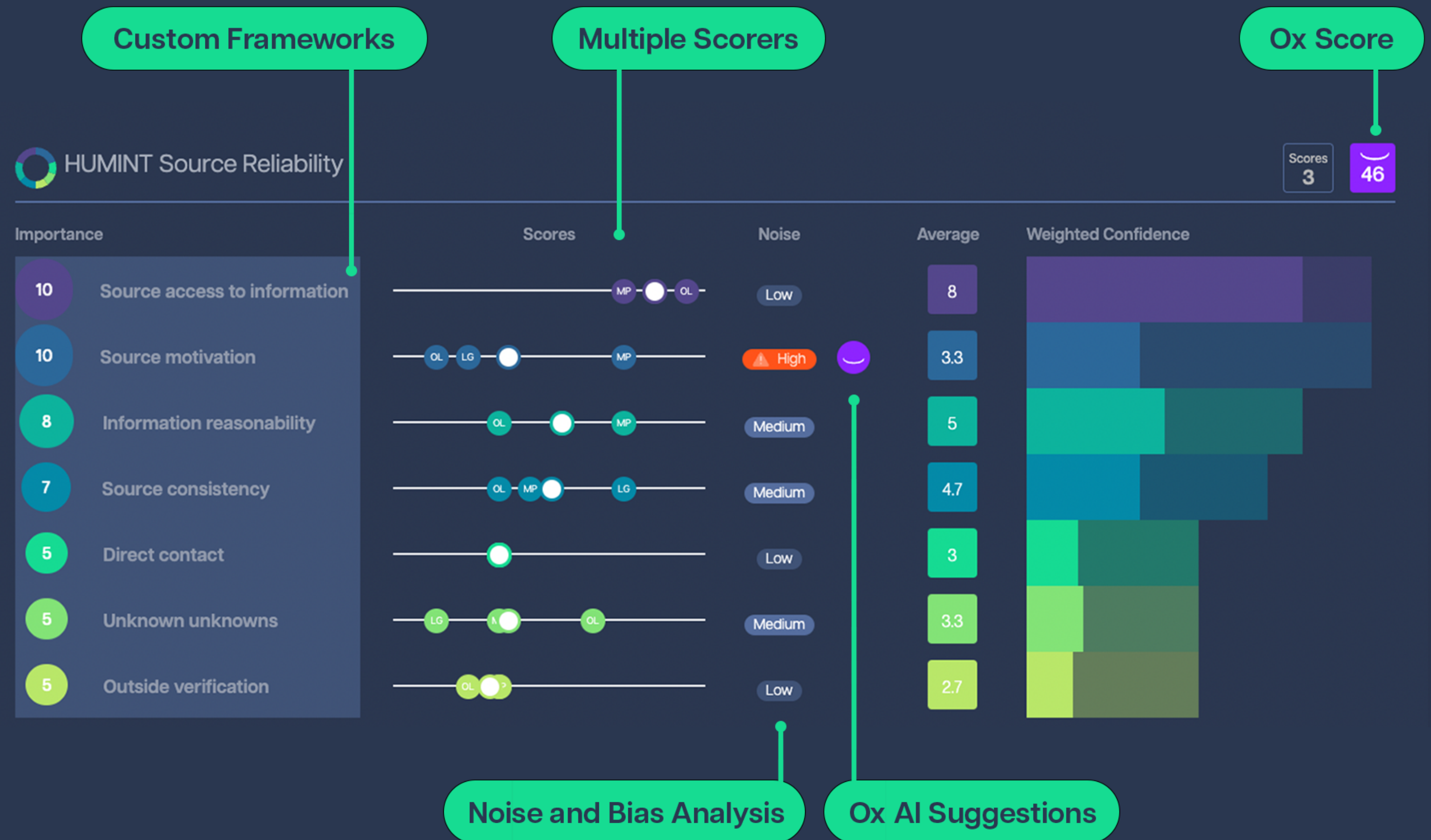
Traditional assessment processes suffer from inefficiencies, bias, and noise. AI can help improve how people make assessments but adoption faces numerous barriers:

- 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



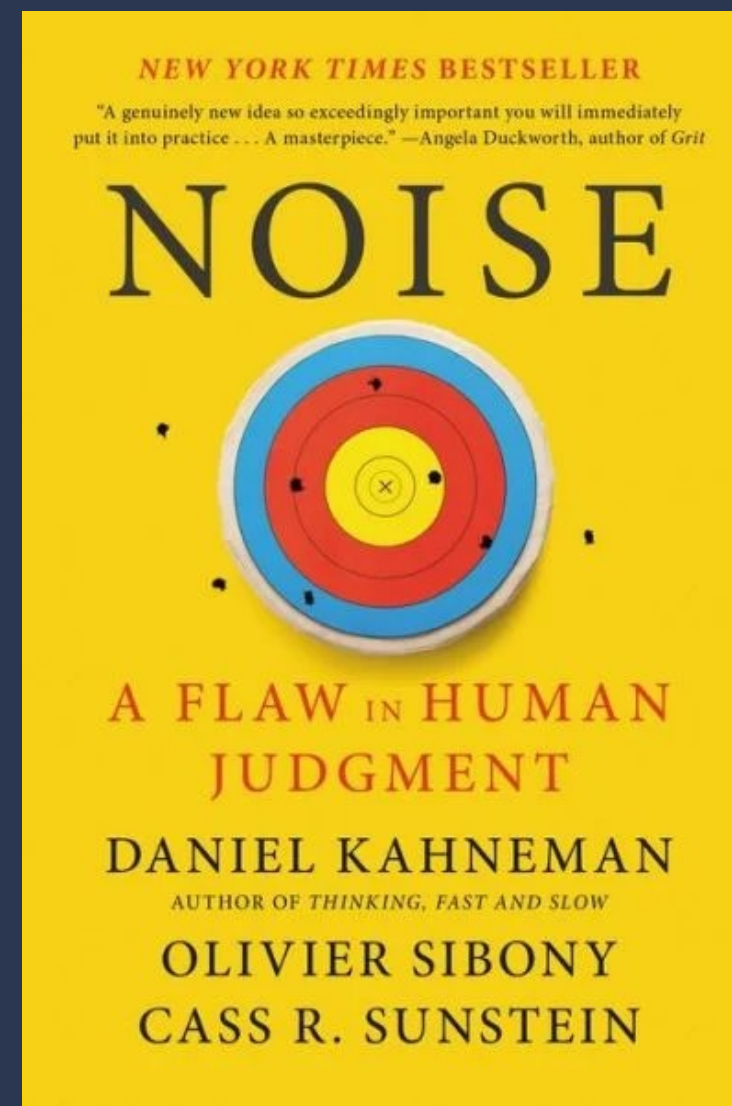
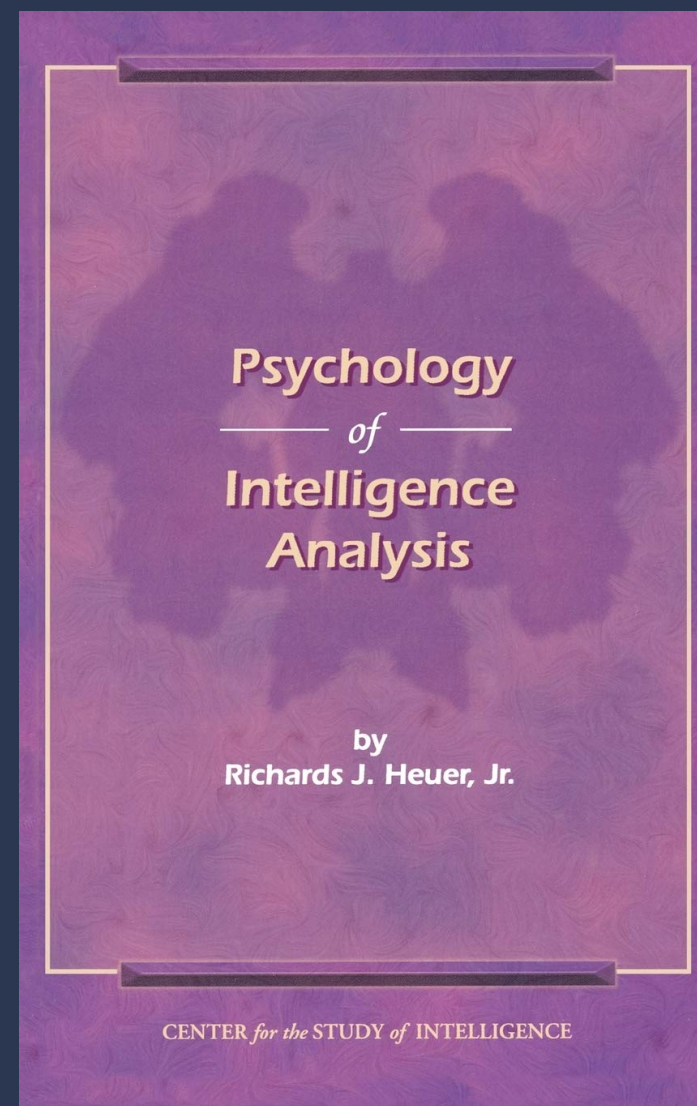
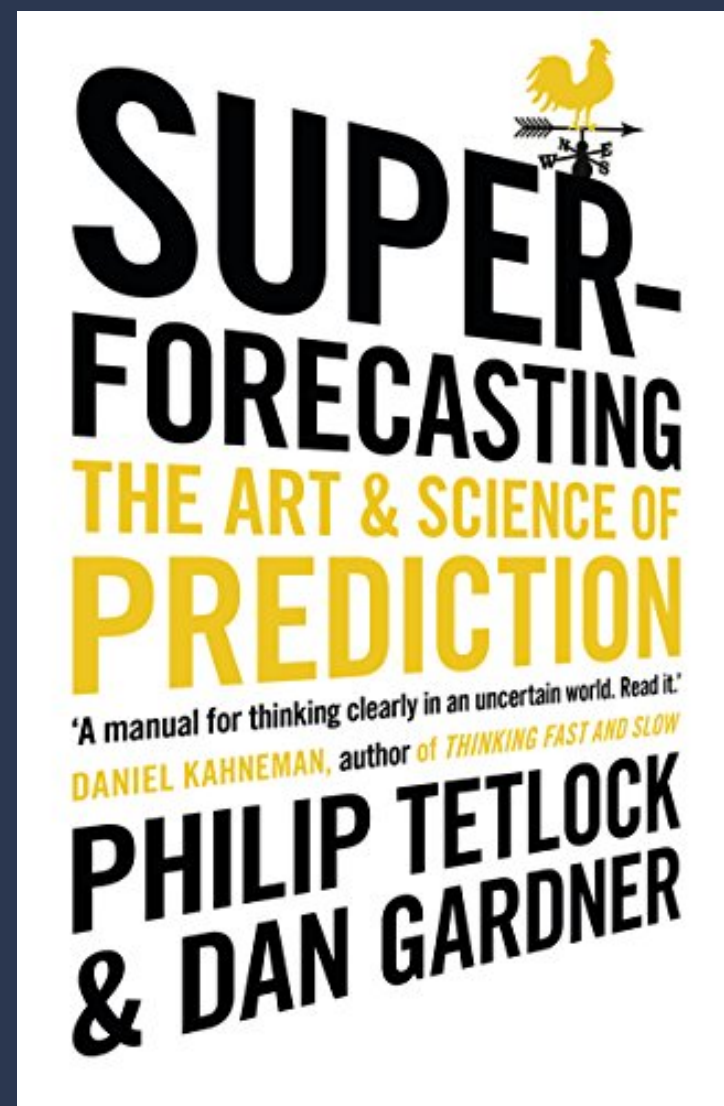
Ox helps analysts harness AI to strengthen, accelerate, and improve their assessments without surrendering their judgment or control.



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.

HUMINT Source Reliability

Framework created by former Deputy Executive Director of the CIA Marty Petersen for evaluating HUMINT sources.

[Criteria](#) [Explorer](#) [Reports](#) [Notes](#) [Discussion](#) [Permissions](#)

Importance (1-10)

10	Source access to information Source has access to the information in the claim
10	Source motivation The source's motivation in making the claim is clear
7	Source consistency The source's story is consistent with no significant holes
8	Information reasonability The information in the claim is reasonable
5	Direct contact We have direct contact with the source. 10 for direct, face-to-face interaction, which gives the collecting entity a chance to vet and observe over time the behavior and motivation of the source
5	Unknown unknowns This variable represents the unexpected or unforeseeable conditions and considerations that cannot be anticipated or accounted for based on past experience. NOTE: the score for this variable is inverse to the others. A 10 means we have a solid grip on the Unknowns, a zero the opposite.
5	Outside verification We have other means to verify the information in the claim



Relative Importance

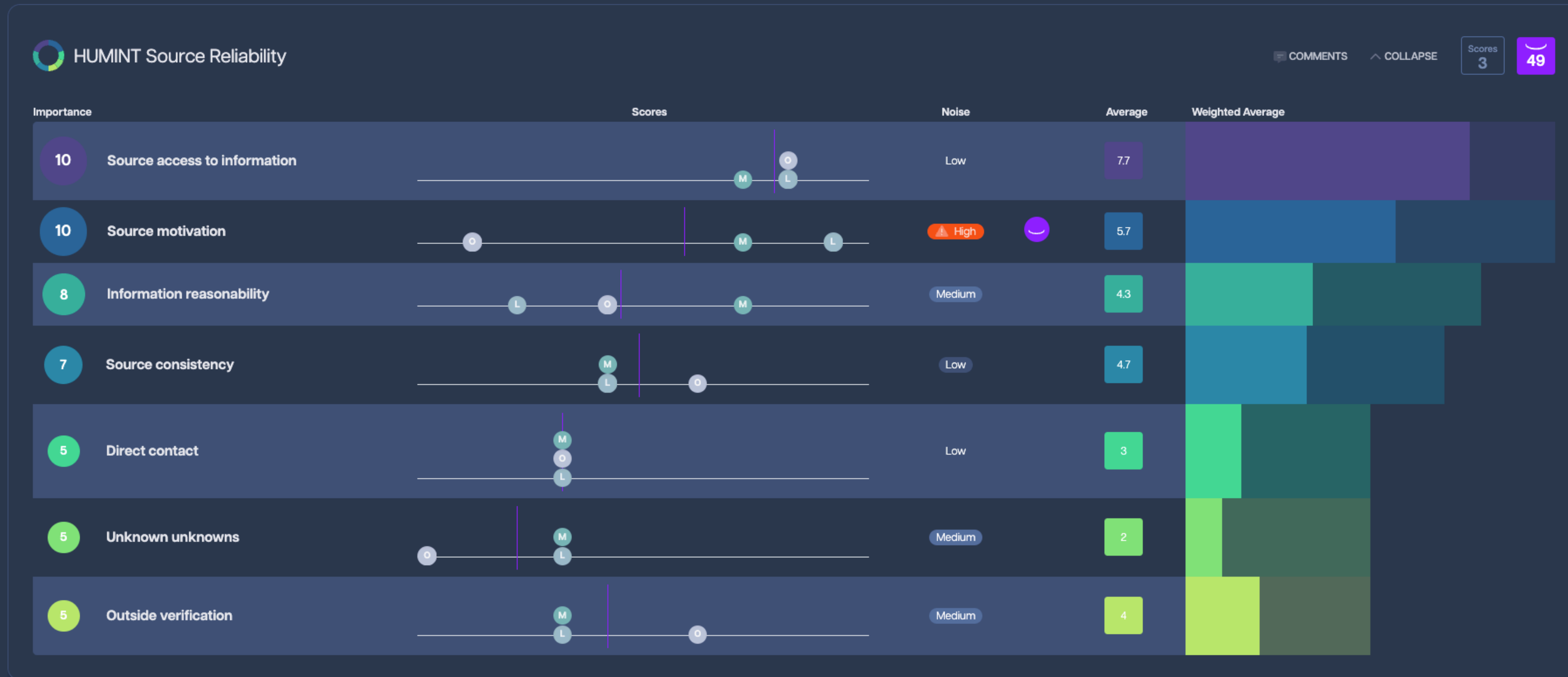
Average Ox Score	62%
Average Outcome Score	74%
Highest Scoring Criterion	Source access to information
Lowest Scoring Criterion	Unknown unknowns
Number of Reports	4
Number of Users	2

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.

HUMINT Source Reliability

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Source motivation

The source's motivation in making the claim is clear

 **All Reports**
4 reports use this framework.



Source motivation appears to result in noisy judgments and has significant importance.

To reduce scoring noise, Ox suggests collecting more information on how users make this judgment or reducing the importance of this criterion in the framework.

 High Noise 

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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