

## Mapping Evidence to Hypotheses — Investigation & Analysis Tool

The Evidence Matrix is an organisational tool for systematically mapping pieces of evidence to competing hypotheses or case theories. It helps analysts and investigators identify evidentiary gaps, track information consistency, and build a defensible analytical product.

### Part 1 — Case / Investigation Details

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Case Reference:	_____	Lead Analyst:	_____
Case Type:	_____	Date:	_____
Subject:	_____	Classification:	_____

### Part 2 — Hypothesis / Case Theory Register

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Define each hypothesis before populating the matrix. A good hypothesis is specific, testable, and mutually exclusive from others where possible.

Ref	Hypothesis / Case Theory	Status	Initial Confidence
H1		■ Active ■ Confirmed ■ Eliminated	■ High ■ Moderate ■ Low ■ Unknown
H2		■ Active ■ Confirmed ■ Eliminated	■ High ■ Moderate ■ Low ■ Unknown
H3		■ Active ■ Confirmed ■ Eliminated	■ High ■ Moderate ■ Low ■ Unknown
H4		■ Active ■ Confirmed ■ Eliminated	■ High ■ Moderate ■ Low ■ Unknown
H5		■ Active ■ Confirmed ■ Eliminated	■ High ■ Moderate ■ Low ■ Unknown

### Part 3 — Evidence Catalogue

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Log every piece of evidence before mapping it. Assign each item a unique reference number used in the matrix. Evaluate reliability and credibility using the standard scale.

Ref	Evidence Description	Source	Date	Type	Rel (A–F)	Cred (1–6)	Admis?
E01				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E02				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E03				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E04				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E05				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E06				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E07				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E08				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E09				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E10				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E11				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD
E12				<input type="checkbox"/> Doc <input type="checkbox"/> Digital <input type="checkbox"/> Physical <input type="checkbox"/> HUMINT <input type="checkbox"/> OSINT			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> TBD

**Reliability:** A=Completely reliable B=Usually reliable C=Fairly reliable D=Not usually reliable E=Unreliable F=Cannot be judged | **Credibility:** 1=Confirmed 2=Probably true 3=Possibly true 4=Doubtful 5=Improbable 6=Cannot be judged

## Part 4 — Evidence Mapping Matrix

For each evidence item, indicate its relationship to each hypothesis. Use the scoring legend. Count totals to identify the best-supported hypothesis.

		S+ = Strongly Supports	S = Supports	N = Neutral / N/A	W = Weakens	W+ = Strongly Weakens	? = Unknown	
Evidence Ref	Evidence Summary	H1	H2	H3	H4	H5	Weight (1–3)	Notes
E01								
E02								
E03								
E04								
E05								
E06								
E07								
E08								
E09								
E10								
E11								
E12								
<b>TOTALS</b>	Count S+/S vs W/W+ →							Highest net support → best hypothesis

## Part 5 — Evidence Gap Analysis

Identify missing evidence and what collection would close the gaps.

Hyp	Evidence Needed	Why It Matters	Collection Method	Priority	Status
H1				■ P1 ■ P2 ■ P3	■ Open ■ Tasked ■ Closed

Hyp	Evidence Needed	Why It Matters	Collection Method	Priority	Status
H2				<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3	<input type="checkbox"/> Open <input type="checkbox"/> Tasked <input type="checkbox"/> Closed
H3				<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3	<input type="checkbox"/> Open <input type="checkbox"/> Tasked <input type="checkbox"/> Closed
H4				<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3	<input type="checkbox"/> Open <input type="checkbox"/> Tasked <input type="checkbox"/> Closed
H5				<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3	<input type="checkbox"/> Open <input type="checkbox"/> Tasked <input type="checkbox"/> Closed

**Need Excel Version?**

- An Excel version with drop-down scoring, automatic totals, and conditional colour formatting is available on request.
- Email: [info@theintelanalystacademy.com.au](mailto:info@theintelanalystacademy.com.au) — Subject: 'Evidence Matrix — Format Request'