# **Module 2: Critical Thinking**

## 2.2 Search and Analysis of Information

**Effective Information Search Techniques** 

## **Define Your Research Question**

- · Clarify the Topic
- · Identify main questions and keywords

**Choose the Right Sources** 

## **Use Advanced Search Techniques**

- · Boolean Operators: AND, OR, NOT
- · Quotation Marks: "Exact phrases"

## **Evaluate Your Sources**

- · Assessing Credibility
- · Author's qualifications
- · Recognizing Bias
- · Cross-check with other sources
- · Relevance
- · Direct relation to your research

#### Organize Your Findings

- Note-Taking
- Summarize key points
- Citations Management
- Use citation tools
- Mind Mapping
- · Visualize connections
- · Visual Elements





## Fact Checking Methods and Tools

## Use Fact-Checking Websites

Snopes · General fact-checking · FactCheck. org · Political and policy claims · PolitiFact · Truth-o-Meter for political statements · Full Fact · UK-based fact-checking organization

## Social Media Verification

CrowdTangle · Analyzes social media trends and verifies content · Twitter Advanced Search · Filters tweets by date, user, and hashtags

## **Data Verification Tools**

DataWrapper · Visualizes data to check for accuracy · Tabula · Extracts data from PDFs for analysis

### **Browser Extensions**

NewsGuard · Rates credibility of news websites · Hoaxy · Visualizes the spread of claims on social media

## **Reverse Image Search**

Google Images Identify the origin of an image · TinEye · Track image usage across the web





