

Software Development and Automation

- | | | |
|---|--|--|
| <input type="checkbox"/> Code Generation | <input checked="" type="checkbox"/> Debugging and Repair | <input type="checkbox"/> Algorithm design |
| <input type="checkbox"/> Refactoring and Optimization | <input checked="" type="checkbox"/> Process automation | <input type="checkbox"/> Code documentation and comment generation |

Data Management

- | | | |
|--|--|---|
| <input type="checkbox"/> Data collection | <input type="checkbox"/> Data analysis | <input type="checkbox"/> Synthetic data generation |
| <input type="checkbox"/> Validation | <input checked="" type="checkbox"/> Quantitative Plotting and Charting | <input type="checkbox"/> De-identification and anonymization support |
| <input type="checkbox"/> Data cleaning | <input type="checkbox"/> Reproducibility and rerun checks | <input checked="" type="checkbox"/> Audio-to-text transcription and diarization |
| <input checked="" type="checkbox"/> Data curation and organization | <input type="checkbox"/> Data labeling and annotation assistance | |

Visuals and Multimedia

- | | | |
|---|---|--|
| <input type="checkbox"/> Synthetic Asset Generation | <input checked="" type="checkbox"/> Image Enhancement and Editing | <input type="checkbox"/> Diagrammatic and Schematic Design |
|---|---|--|

Writing and Editing

- | | | |
|--|--|---|
| <input type="checkbox"/> Drafting Text | <input type="checkbox"/> Formulation of conclusions | <input type="checkbox"/> Tone Adjustment |
| <input type="checkbox"/> Polishing and Editing | <input type="checkbox"/> Citation formatting and bibliography management | <input type="checkbox"/> Translation |
| <input type="checkbox"/> Title Generation | | <input checked="" type="checkbox"/> Press releases and outreach materials |
| <input type="checkbox"/> Abstract and Executive Summary Generation | | |

Ethics Review

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Bias analysis and discrimination assessment | <input type="checkbox"/> Ethical risk analysis | <input type="checkbox"/> Data confidentiality monitoring |
| | <input type="checkbox"/> Monitoring compliance with ethical standards | |

Quality Assurance

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Simulated Peer Review | <input type="checkbox"/> Identification of limitations | <input checked="" type="checkbox"/> Publication strategy and journal selection |
| <input type="checkbox"/> Consistency checking against field trends | | <input type="checkbox"/> Publication support |

Generative AI tools used: No Generative AI tools were declared.

Additional comment #1: The keys for this example were selected randomly.