

Questions about the Dataset	Questions about the participants	Codes
<p><b>TOOLKIT (red)</b></p> <p>What are the technologies, tools, and equipment used by archaeologists?</p>		
<ul style="list-style-type: none"> <li>a) What are the most common digital tools?</li> <li>b) What are the most effective/essential tools?</li> <li>c) What tools are adapted from other disciplines for doing archaeological work?</li> <li>d) What software do archaeologists use?</li> <li>e) What hardware do archaeologists use?</li> <li>f) What data do archaeologists use?</li> <li>g) Do archaeologists need wi-fi?</li> <li>h) What do archaeologists spend on their tools?</li> <li>i) What would they be willing to spend on a digital tool for archaeology?</li> <li>j) What gaps exist in the toolkit?</li> <li>k) What problems with the toolkit need addressing?</li> </ul>	<ul style="list-style-type: none"> <li>a) What tools does the participant use?</li> <li>b) What are their most important tool(s)?</li> <li>c) What tools are adapted from other disciplines for doing archaeological work?</li> <li>d) What software does the participant use?</li> <li>e) What hardware does the participant use?</li> <li>f) What data does the participant use?</li> <li>g) Does the participant use connected devices?</li> <li>h) What is the archaeologist spending on tools?</li> <li>i) What is the participant willing to spend on a digital tool for archaeology?</li> <li>j) What does the participant wish they had in their toolkit?</li> <li>k) What problems does the participant need addressed?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Tool"</li> <li>b) "Most important tool"</li> <li>c) "Jury-rigged tool {name the tool}"</li> <li>d) "Software"</li> <li>e) "Hardware"</li> <li>f) "Data"</li> <li>g) "Connections"</li> <li>h) "Tools budget"</li> <li>i) "Willing to spend on STRATUM"</li> <li>j) "Tool gap"</li> <li>k) "Tool problem"</li> </ul>
<p><b>CHALLENGES AND STRESSORS (green)</b></p> <p>What are the stressors on archaeologists?</p>		
<ul style="list-style-type: none"> <li>a) What are the most common stressors?</li> <li>b) What are the most difficult stressors?</li> <li>c) What stressors are articulated by archaeologists?</li> <li>d) What stressors can we infer based on the responses of archaeologists that are not articulated?</li> </ul>	<ul style="list-style-type: none"> <li>a) What stresses the participant out?</li> <li>b) What do they say is the most stressful?</li> <li>c) [Same as a and b]</li> <li>d) What stresses are not stated but can be inferred?</li> <li>e) Are notes stressful?</li> <li>f) What challenges has the participant faced?</li> <li>g) Does the participant's education level lead to stress or challenges?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Stressor {specify stressor}"</li> <li>b) "Most stressful {specify}"</li> <li>c) same as a and b</li> <li>d) "Stressor inference {specify stressor}"</li> <li>e) "Stress from note-taking"</li> <li>f) "Challenge {specify challenge}"</li> <li>g) "Stress from education"</li> <li>h) "Stress from position"</li> <li>i) "Not working {specify}"</li> </ul>

<ul style="list-style-type: none"> <li>e) Are notes part of the stressors on archaeologists?</li> <li>f) What are the challenges of practicing archaeology?</li> <li>g) How does education correspond to stress?</li> <li>h) How does position correspond to stress?</li> <li>i) What currently isn't working?</li> <li>j) Are there solutions to the challenges or stressors in archaeology?</li> <li>k) Are there challenges that are just part of archaeology and cannot be fixed?</li> </ul>	<ul style="list-style-type: none"> <li>h) Does the participant's position lead to stress and challenges?</li> <li>i) What does the participant feel isn't working in archaeology?</li> <li>j) How does the participant propose to address challenges and stressors?</li> <li>k) What does the participant say cannot be fixed?</li> </ul>	<ul style="list-style-type: none"> <li>j) "Solution"</li> <li>k) "No fix {specify problem}"</li> </ul>
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**REWARDS AND ENJOYMENT (magenta)**

**What are the good parts of archaeology?**

<ul style="list-style-type: none"> <li>a) What are the good parts most commonly cited?</li> <li>b) What are the good parts most enthusiastically cited?</li> <li>c) What good parts are articulated by archaeologists?</li> <li>d) What parts can be inferred based on the responses of archaeologists that are not articulated?</li> <li>e) Is note-taking rewarding?</li> <li>f) Do archaeologists feel their work is valuable?</li> </ul>	<ul style="list-style-type: none"> <li>a) What does the participant like to do?</li> <li>b) What is the most enjoyable or rewarding aspect of their job?</li> <li>c) What parts of the job are stated as rewarding or enjoyable?</li> <li>d) What parts of the job can be inferred to be rewarding or enjoyable?</li> <li>e) Are notes rewarding or enjoyable?</li> <li>f) Does the participant feel their work is valuable?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Rewarding work"</li> <li>b) "Most rewarding"</li> <li>c) "Enjoyment statement"</li> <li>d) "Enjoyment inference"</li> <li>e) "Note-taking is rewarding"</li> <li>f) "Valuable work"</li> </ul>
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**ETHICS AND COMPLIANCE (gray)**

**What are the ethics involved in archaeological practice?**

<ul style="list-style-type: none"> <li>a) What is the most important to archaeologists about their work?</li> <li>b) What ethics do archaeologists make a priority?</li> </ul>	<ul style="list-style-type: none"> <li>a) What does the participant say is important about their work?</li> <li>b) What ethics does the participant mention?</li> <li>c) What ethics are of higher priority?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Important work"</li> <li>b) "Ethical practice {name the ethical practice}"</li> </ul>
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<ul style="list-style-type: none"> <li>c) What ethics are the highest priority?</li> <li>d) What ethics are the lowest priority?</li> <li>e) How do they uphold ethical practice?</li> <li>f) What regulations do archaeologists need to comply with?</li> <li>g) Are ethics compromised by a digital tool?</li> <li>h) How would a digital tool affect Indigenous relations and protocols?</li> </ul>	<ul style="list-style-type: none"> <li>d) Which ethics are of lower priority?</li> <li>e) How does the participant adhere to ethical practices?</li> <li>f) What laws, regulations, or standards does the participant need to comply with?</li> <li>g) Is the participant concerned about a digital tool compromising ethical standards?</li> <li>h) Would a digital tool improve or make worse the participant's relationship with Indigenous groups?</li> </ul>	<ul style="list-style-type: none"> <li>c) "High priority ethics{name the ethical practice}"</li> <li>d) "Low priority ethics{name the ethical practice}"</li> <li>e) "Adherence to ethics{brief description of the way the participant adheres}"</li> <li>f) "Compliance {specify standards, laws, or regulations}"</li> <li>g) "Ethics compromised by digital tools"</li> <li>h) "Indigenous relations"</li> </ul>
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**TIME (Teal)**

**How much time do archaeologists spend taking notes?**

<ul style="list-style-type: none"> <li>a) Percentage of workday taking notes</li> <li>b) Percentage of project taking notes</li> <li>c) Do participants have a poor sense of how much time they spend taking notes and in which context?</li> <li>d) How much time is spent organizing data?</li> <li>e) Have technological advances improved efficiency?</li> <li>f) What time problems need addressing?</li> </ul>	<ul style="list-style-type: none"> <li>a) How much time does the participant say they spend taking notes each day?</li> <li>b) How much time does the participant spend taking notes on each project?</li> <li>c) Does the participant make reference to notes time without knowing how much or in which context?</li> <li>d) How much time does the participant spend on transferring data from the field to the office?</li> <li>e) What technological advances have sped up the participant's work?</li> <li>f) How does the participant want to improve their use of time?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Daily notes time"</li> <li>b) "Project notes time"</li> <li>c) "Unspecified notes time"</li> <li>d) "Notes organizing time"</li> <li>e) "More efficient technology"</li> <li>f) "Time problem"</li> </ul>
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**NEEDS (dark magenta 1)**

**What do archaeologists need in a digital tool?**

<p>What do archaeologists need in a digital tool?</p> <ul style="list-style-type: none"> <li>a) What do archaeologists say they need?</li> </ul>	<ul style="list-style-type: none"> <li>a) What does the participant say they need in a tool?</li> </ul>	<ul style="list-style-type: none"> <li>A. "Tool needs{specify}"</li> <li>B. "Tool needs inference {describe}"</li> <li>C. "Tool needs not met"</li> <li>D. "Features {specify}"</li> </ul>
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<ul style="list-style-type: none"> <li>b) What needs can be inferred that are not articulated by archaeologists?</li> <li>c) What needs are not currently being met by their digital tools?</li> <li>d) What features would archaeologists need in a digital tool?</li> <li>e) What features would not be desired by or helpful to archaeologists?</li> </ul>	<ul style="list-style-type: none"> <li>b) What can be inferred about what the participant needs in a tool that they have not articulated?</li> <li>c) What needs does the participant say are not being met by digital tools?</li> <li>d) What features would the participant want?</li> <li>e) What features would the participant not want?</li> </ul>	<p>E. "Features not wanted {specify}"</p>
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**IMPROVEMENT AND SOLUTIONS (light red berry 1)**

**Do digital tools make the job easier or better for archaeologists?**

<ul style="list-style-type: none"> <li>a) What needs improvement?</li> <li>b) How could existing tools be improved?</li> <li>c) What technology solutions are out there for the challenges that exist?</li> <li>d) How do archaeologists deal with problems in existing technology?</li> <li>e) What problems are being addressed by in-house solutions?</li> <li>f) What solutions (tech or otherwise) are creating efficiencies within archaeology?</li> <li>g)</li> <li>h) What problems are not being addressed by in-house solutions?</li> <li>i) Do archaeologists want a new solution that addresses existing gaps</li> </ul>	<ul style="list-style-type: none"> <li>a) What does the participant say could be improved?</li> <li>b) How could something be improved?</li> <li>c) What technology solutions does the participant use or is aware of?</li> <li>d) How does the participant cope with inadequate, difficult, or poorly designed tech?</li> <li>e) What in-house solutions to problems does the participant talk about or use?</li> <li>f) How does the participant create efficiencies in their work?</li> <li>g) What features does the participant's in-house solution have?</li> <li>h) What features or abilities does the participant's in-house solution lack?</li> <li>i) Does the participant want a new solution?</li> </ul>	<ul style="list-style-type: none"> <li>A. "Improvement needed {specify what needs improving}"</li> <li>B. "How to improve"</li> <li>C. "Solution {specify the solution}"</li> <li>D. "Coping strategy for technology {specify the strategy}"</li> <li>E. "In-house solution {specify the solution}"</li> <li>F. "Efficiencies {brief description}"</li> <li>G. "In-house solutions features"</li> <li>H. "In-house solution gaps"</li> <li>I. "New solution"</li> </ul>
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**EXPERTISE (yellow)**

**What level of education do archaeologists achieve?**

<ul style="list-style-type: none"> <li>a) What is the most common education level?</li> <li>b) What level of education corresponds most to technological savvy and ,use of technology in the field?</li> <li>c) What are the ways archaeologists learn to take notes? (university; on-the-job; trial and error)</li> <li>d) How long does it take to learn how to take notes?</li> <li>e) Do archaeologists feel confident about their note-taking abilities?</li> <li>f) What effect does position have on the work experience of archaeologists?</li> <li>g) What expertise exists in archaeology today?</li> <li>h) What position(s) lead(s) to greater use of technology?</li> <li>i) Where are the gaps in archaeologists' knowledge?</li> </ul>	<ul style="list-style-type: none"> <li>A. What are the degrees held (and not finished) by the participant?</li> <li>B. Does the participant's education level have anything to do with their level of tech savvy/how much they use technology?</li> <li>C. When and how did the participant learn to take notes?</li> <li>D. How long did it take the participant to learn whx2to take notes?</li> <li>E. How confident is the participant in their note-taking?</li> <li>F. What work experience has the participant had?</li> <li>G. What is the participant's focus or expertise?</li> <li>H. Does the participant use technology in their current position, compared with other positions they have worked?</li> <li>I. Does the participant identify any knowledge gaps (self or others)?</li> </ul>	<ul style="list-style-type: none"> <li>A. "Degrees held"</li> <li>B. "Tech-savvy"</li> <li>C. "Notes learning {when; how}"</li> <li>D. "Time it took to learn note-taking {length of time}"</li> <li>E. "Confidence in notes {description of confidence level}"</li> <li>F. "Work experience {specify position}"</li> <li>G. "Focus {specify}"</li> <li>H. "Position tech requirements {specify position and tech}"</li> <li>I. "Knowledge gap"</li> </ul>
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### LABOUR BREAKDOWN (cyan)

#### How do archaeologists spend their work time?

<ul style="list-style-type: none"> <li>a. How does the workday break down among tasks?</li> <li>b. How much time do archaeologists spend in the field?</li> <li>c. What are the main activities archaeologists do in the field?</li> <li>d. What kinds of archaeology is being conducted?</li> <li>e. What are the most important activities in the field?</li> </ul>	<ul style="list-style-type: none"> <li>a) How does the participant spend their day?</li> <li>b) How much is the participant in the field?</li> <li>c) What does the participant do when in the field?</li> <li>d) What work does the participant do out of the field?</li> <li>e) What kinds of archaeology does the participant conduct?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Workday task"</li> <li>b) "Field hours {amount, number}"</li> <li>c) "Field activities {specify activities}"</li> <li>d) "Non-field activities {specify activities}"</li> <li>e) "Archaeological methods {specific methods}"</li> <li>f) "Priorities {specify priorities}"</li> </ul>
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	f) What does the participant feel are their most important activities when in the field?	
<b>TECH KNOWLEDGE (light blue 1)</b>		
<b>How knowledgeable are archaeologists about technology, both for archaeology and outside of it?</b>		
<ul style="list-style-type: none"> <li>a) What technologies are archaeologists aware of?</li> <li>b) How do archaeologists gain knowledge of technologies available?</li> <li>c) What technologies are adapted by archaeologists for field work?</li> <li>d) How strenuous is adapting existing technologies to archaeological practice?</li> <li>e) What gaps in technologies exist in archaeology?</li> <li>f) What level of acceptance characterizes archaeologists' choices of technology?</li> <li>g) Do archaeologists feel positive, negative, or neutral about using technology?</li> </ul>	<ul style="list-style-type: none"> <li>a) What technologies does the participant know about?</li> <li>b) What does the participant do to educate themselves about technologies?</li> <li>c) What adapted technologies does the participant use?</li> <li>d) What does the participant have to do to fit technologies with archaeological practice?</li> <li>e) Does the participant want any new technologies?</li> <li>f) Does the participant reject any technologies?</li> <li>g) How does the participant feel about using technology?</li> </ul>	<ul style="list-style-type: none"> <li>a) "Tech awareness"</li> <li>b) "Tech education"</li> <li>c) "Adapted tech {specific technology}"</li> <li>d) "Adapting tech {how it is adapted}"</li> <li>e) "Tech search {specific technology}"</li> <li>f) "Tech resistance {specific technology}"</li> <li>g) "Comfort with tech {positive, negative, or neutral}"</li> </ul>