





Parametric Knowledge Elicitation

 **Question:** What is the occupation of Michael Jordan?

 **Basketball Player**

✓ **Obtain PK**

 **Question:** What is the occupation of Jason Kimberley?

 **I don't know**

✗ **Discard**

Contextual Knowledge Construction

⊙ Supportive

Michael Jordan is a professional NBA basketball player...

∧ Complementary

Bob Jackson's best friend in high school is Michael Jordan...

⊕ Conflicting


Michael Jordan works as an ESPN basketball commentator...

∨ Irrelevant

Lionel Messi is an Argentina football player...

EchoQA

Complementary Reasoning Example

 **Instruction:** Use *the given info* and ***your own knowledge*** to answer the question.

Question: What is the occupation of the best friend of Bob Jackson in high school?

Contextual Knowledge: Bob Jackson's best friend in high school is Michael Jordan ...

 **I don't know**

Acc 27.51% Unknown 62.72%

Irrelevant Reasoning Example

 **Instruction:** Use *the given info* and ***your own knowledge*** ...

Question: What is the occupation of Michael Jordan?

Contextual Knowledge: Lionel Messi is an Argentina football player...

 **I don't know**

Acc 15.87% Unknown 82.59%