

## Sample Argument Map: Kaminski et al 2004 - Fast Mapping in a Domestic Dog

**Main Claim**— Fast mapping is not unique to humans.

- Reason— Here we provide evidence that a border collie, Rico, is able to fast map.
  - Claim — Rico knew the labels of over 200 different items.
    - **Evidence— (Control)** Rico successfully retrieved 34/40 items.
      - Methods — 20 sets of 10 items. Separate room. owner called the name.
  - Reason — He inferred the names of novel items by exclusion learning and correctly retrieved those items right away as well as 4 weeks after the initial exposure.
    - **Evidence**— Correctly retrieved novel items 7/10 sessions.
    - **Evidence**— Correctly retrieved the target 3/6 times 4 weeks later.

---

Definition — **Fast Mapping**: the process in which children form quick and rough hypotheses about the meaning of a new word after only a single exposure.

Definition — **Exclusion Learning**: rapid acquisition and retention of vocabulary, termed learning by exclusion by behavior analysts and fast mapping by psycholinguists (Wilkinson, Rosenquist, and McIlvane 2009).