

Revealing user button-to-action mappings through describing and acting

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We examined two methods for obtaining information from users. One method had users describe an interaction the other had them act on an interaction. Participants were presented with affordance and non-affordance conditions and were asked to describe appropriate button-to-action mappings in a survey and to act on button-to-action mappings. Our findings indicated that performance based methods are better equipped to identify conventions than explicit measures like surveys. However, participants were able to demonstrate affordance interactions accurately in their descriptions and performance, therefore, in this case, either method is sufficient.