

## **Countable relative categoricity over a set**

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### **Abstract**

I will recall the idea of constructing a countable model of a given theory  $T$ , provided a type-definable subset  $Q$  of it is given. If the resulting model is unique up to isomorphism (not necessarily fixing the set  $Q$ ),  $T$  is called countably categorical over  $Q$ . There is a corresponding variant of the Ryll-Nardzewski theorem. I will argue that the phenomenon of countable categoricity over a set is rather ubiquitous, although basically no general structural description is known here. The subject is vaguely related to topological dynamics.