

A Tagalog Physical Reasoning Dataset for MRL 2025 Shared Task

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Dataset Construction

This paper describes the construction of an original physical reasoning PIQA-style dataset in the Tagalog (or Filipino) language. The dataset is composed of 103 instances anchored on cultural aspects of the Philippines where the Tagalog is the official national language. Specifically, the cultural reasoning aspect of the dataset is split across three main themes:

1. Cooking and baking;
2. Crafts and construction of cultural objects;
3. Arts, dances, and literature.

The creator of the dataset (the proponent of this paper) is a native speaker of Tagalog and is very well-versed with common-knowledge Philippine culture.

Theme	No. of Instances	Example (Translated to EN)
Cultural Foods, Baking, and Cooking	44	<p>Q: What is the reason why <i>bibingka</i> has a sticky and spongy texture after cooking?</p> <p>S0: This is because of the ingredients used, such as rice flour and cooking coconut milk mixed with <i>cornstarch</i>, which thickens when heated.</p> <p>S1: This is because of the ingredients used, such as rice flour and cooking coconut milk mixed with <i>sugar</i>, which hardens when heated.</p>
Everyday Objects, Practices, and Crafts,	36	<p>Q: Why is a <i>tapayan</i> used to store water or make fermented food?</p> <p>S0: Its thick wooden structure allows for temperature and evaporation to be controlled. During fermentation, a tight-fitting lid helps prevent <i>condensation</i> and create the right environment for the food.</p> <p>S1: Its thick wooden structure allows for temperature and evaporation to be controlled. During fermentation, a tight-fitting lid helps prevent <i>evaporation</i> and create the right environment for the food.</p>
Arts, Dances, and Literature	23	<p>Q: Why is it difficult to balance the <i>kadang-kadang</i> when using it in games?</p> <p>S0: The kadang-kadang requires the correct <i>center of gravity</i> according to its height. If you don't control this, it's easy to lose balance and fall.</p>

		S1:The kadang-kadang requires proper <i>center of mass</i> according to its height. If you don't control this, it's easy to lose balance and fall.
TOTAL	103	

Dataset Verification

To ensure that the information from the dataset is factual, the proponent crosschecked information using websites such as [Philippine Wikipedia](#), Philippine government blogs on culture, and informal verification from fellow native speakers living in the Philippines.