The Ontology of Wine

I chose wine for the subject of ontology. The wine ontology is classed by wine type, colour, flavour, taste, sweetness, and country. Wine terms in the Ontology were made by referring to the MyNSLC website (https://www.mynslc.com/Products/Wine). Definitions and references have been added to each term under annotation screen. Due to a large number of wine species (grape varietal), I limited to more than ten varieties on MyNSLC website. I created object properties to define relationships among each class. (e.g., "has_colour," "has_flavour," "has_sweetness," "has_taste," "produces_wine")

Mostly this wine ontology's Domain is "WineType" and subclasses, and ranges are "Colour," "Flavour," "Taste_Profile," and "Wine_Sweetness."

For instance,

["Malbec" "has_colour" "Dark_colour"]

The Domain of "has_colour" would be "WineType" and its Range "Colour." The other object except "produce_wine" relate to the same relationships, such as,

["Sauvignon_Blanc" "has_flavour" " Citrus_Flavour"]

-> "WineType" as a domain, "Flavour" its range.

One exception is "produces_wine" object properties. In this case, "WineType" is range and "Country" is the domain. The example is below.

["USA" "produce_wine" " Petite_Sirah"]