In mathematical logic one can fix a formal language of symbols that can represent constants, functions and relations. One can then describe a category of all possible interpretations of this fixed language.

Categorical precovers and covers can be described as generalizations of the homological algebraic concept of a projective module.

Let $J$ be the category of all interpretations of the first-order language with only a unary function. I will use direct limits to describe a $J$-precover for each interpretation of the smallest possible first-order language and then demonstrate the existence of a $J$-cover for each one. (Received September 20, 2007)