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Let  $(X, d)$  be a metric space with a doubling measure  $\mu$ . If  $(X, d, \mu)$  is endowed with a Poincaré type inequality, then it becomes an element from an essential class of metric spaces in the study of Sobolev spaces. Often, it is difficult to verify that an arbitrary measure metric space,  $(X, d, \mu)$ , carries a Poincaré type inequality. I will present a method to discretize the space  $(X, d, \mu)$  while preserving its doubling property. I will then present a necessary and sufficient condition for  $(X, d, \mu)$  to carry a  $(1, p)$ -Poincaré Inequality involving a discretized  $(1, p)$ -Poincaré inequality on the constructed discretized space. This condition relies on important results due to Cheeger and Koskela, and the ability of a series of discretized spaces to approximate  $(X, d, \mu)$ . These results are due to joint work with James Gill. (Received September 09, 2014)