## Measuring the risk of landslides in areas dominated by granite using relative abundance of minerals and permeability coefficients

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During the 2015-16 academic year, we studied the relationship between the presence of granite and the occurrence of landslide disasters and concluded the weathering of granite increased the risk of disasters. However, geology is not currently taken into consideration by the Hyogo prefectural government when making landslide hazard map. We think that measuring risk by considering the degree of weathering in granites should be used when drawing new hazard maps. We evaluate the risk of landslides by measuring permeability coefficients and relative abundance of minerals in soil samples from Mt.Ofuji, Hyogo.

Keywords: granite, landslide disasters, permeability coefficients

