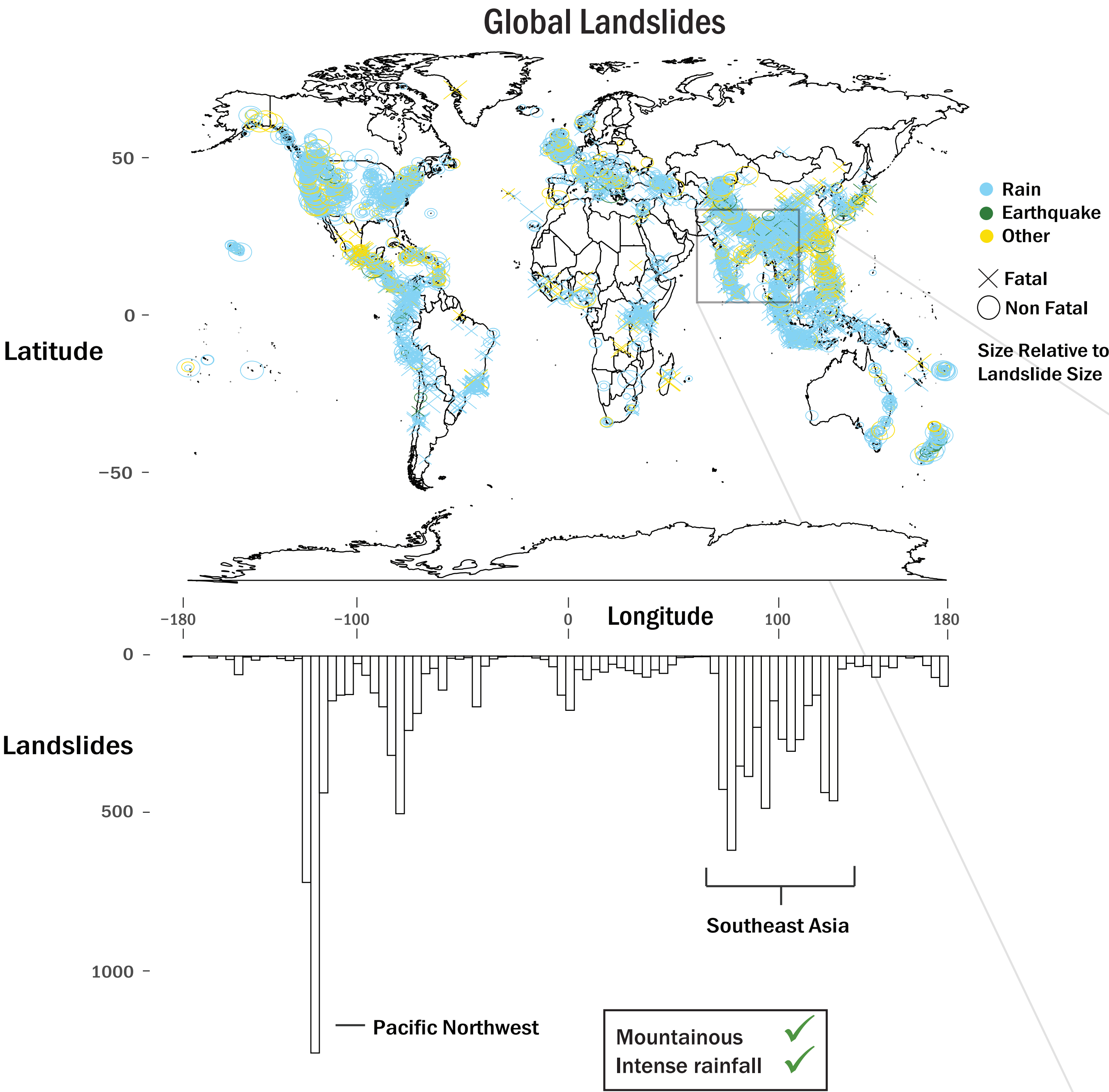


Landslides: A Recipe For Disaster

Cameron Light | IST 421



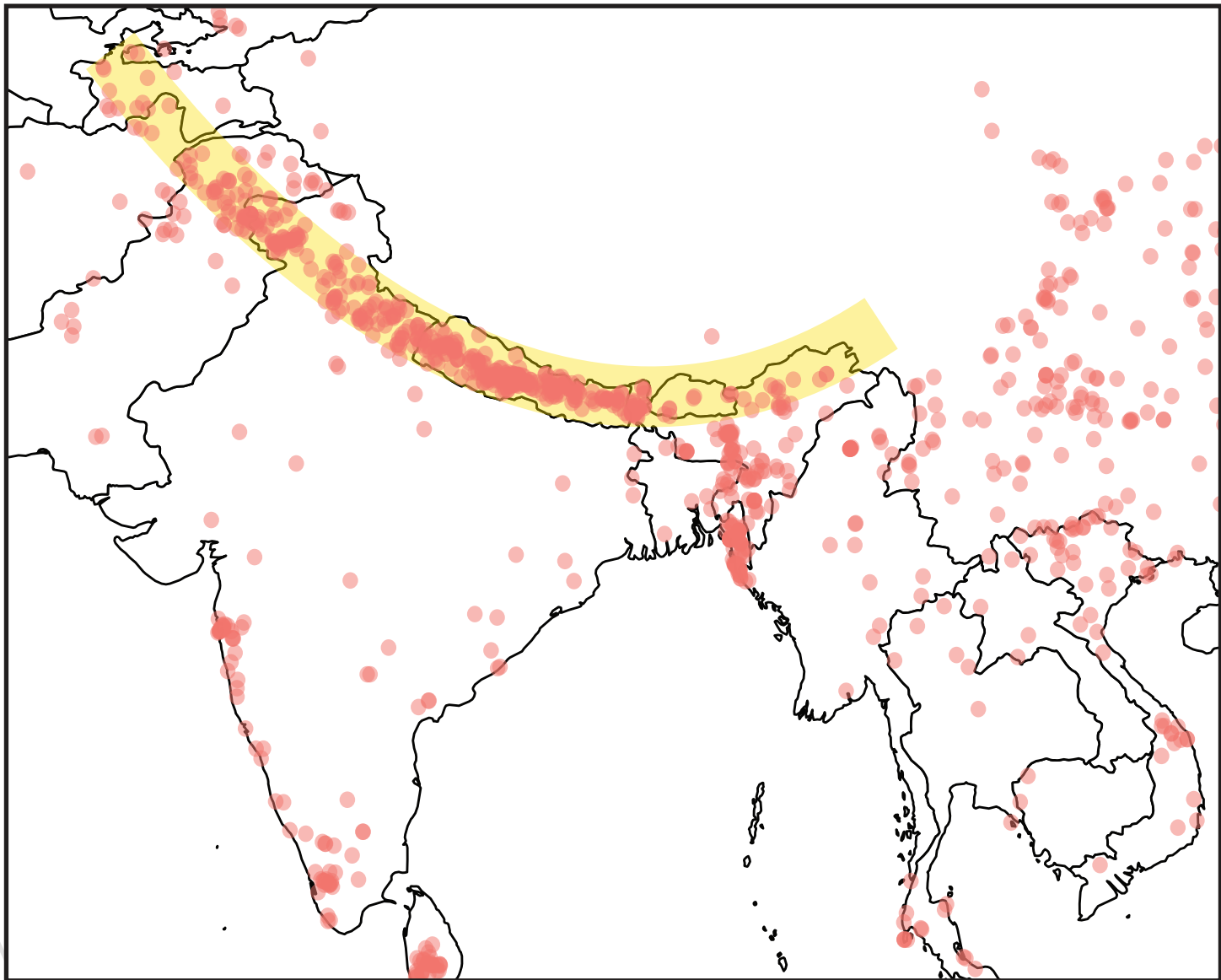
Landslides are a type of natural disaster that involve the flow of debris and rock down a sloped piece of land. These events can have devastating effects on surrounding communities and infrastructure. The motivation behind this poster was to take a closer look at the conditions that cause landslides. Fully understanding why landslides occur will lead to a better understanding of how they can be prevented.

Where are landslides most likely to occur?

What makes a landslide fatal?

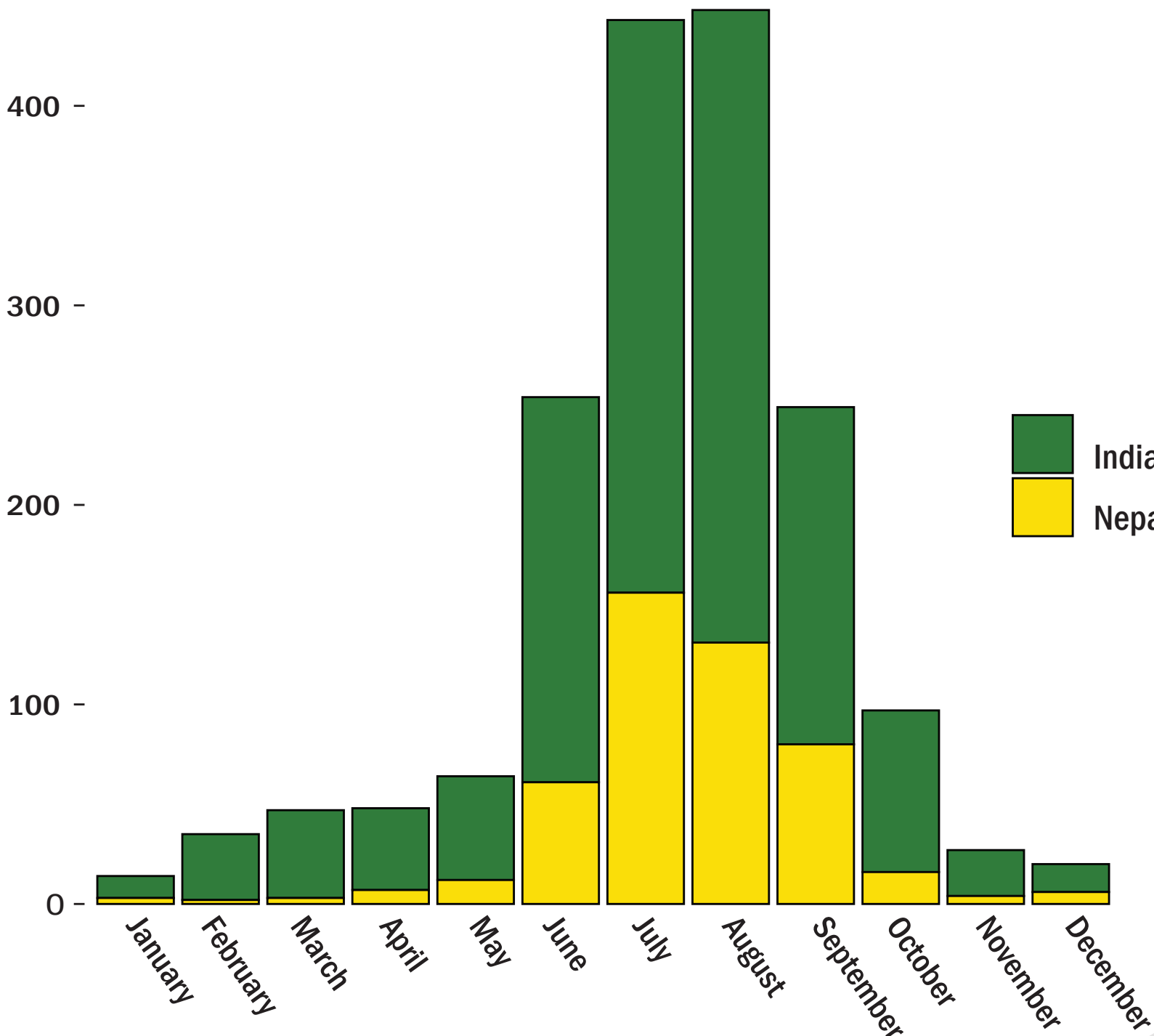
How do monsoons and mountainous terrain affect landslides?

Fatal Landslides



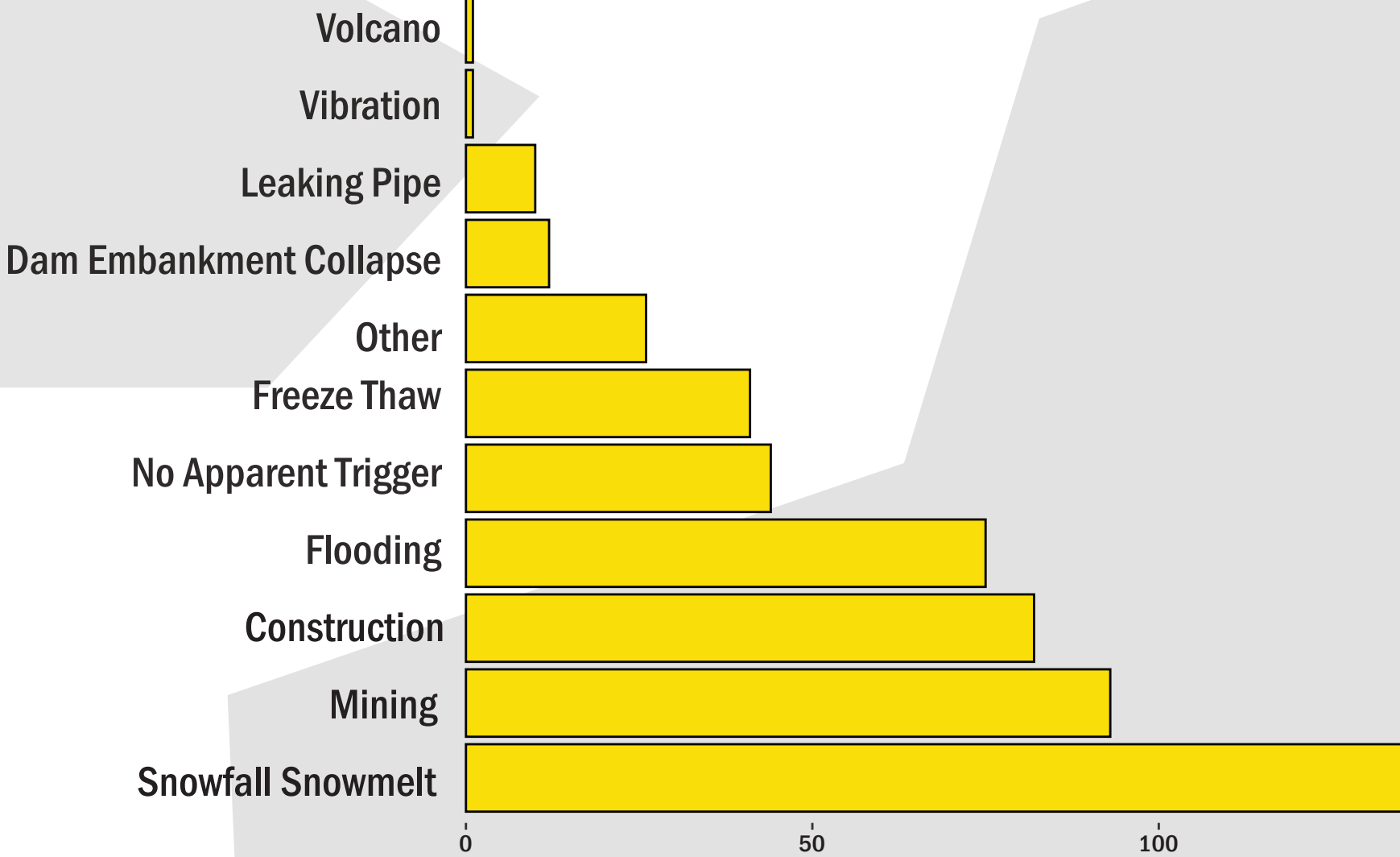
Edge of Tibetan Plateau
(approximately 15,000 ft elevation gain)

Total Monthly Landslides in India & Nepal



Monsoon season, or a seasonal reversal in wind direction, affects a large portion of Asia, including India and Nepal, between the months of June and September. Monsoons bring heavy rainfall to affected areas making soil unstable and heavy. This can be seen in the increased number of landslides during these months.

Less Common Landslide Triggers



Dataset Info

This dataset comes from NASA's Open Data Portal and is titled Global Landslide Catalog. The data spans across 34 columns and 11,033 rows. Some variables included event date, landslide trigger, fatality count, submitted date, etc... The dataset ranges from 1988 to 2017 but the data would suggest that the majority of observations come from after 2008.

How can this data help innovators dampen the effects of landslides?