Why there's a ring of natural disasters around the Pacific?



There's been a lot of _____ in 2018.

Mount Mayon in the Philippines erupted in January. It continued for over a month.

In February, Mount Sinabung erupted in Indonesia. Here's the ______ is seen from space.

And in June an eruption in Guatemala killed more than 100 people.

Turns out this is pretty normal.

On average, there are 10 to 20 volcanoes _____ around the world at any given time.



currently eru	upting, you'll start to see a pattern.
	https://www.youtube.com/watch?v=DrwYtGf40hA&t=375s&ab_channel=Vox
	ittps://www.youtube.com/watch:v=brwittgi+onA&t=3735&ab_channel=vox
This region is volcanoes spo	ncentrated here, along the edges of the s known as the Ring of Fire, a stretch of of anning 40,000 kilometers. are most of the earthquakes and tsunamis in the world
This year alo earthquakes	one, the region saw 4 eruptions and 5 of the world's biggest
The Ring of I	Fire is where some of history's most devastating natural _ have happened and will continue to happen.
	ive terrorized people for centuries. In the 1800s, explorers started them

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When you look at these on a map and add volcanoes that are not

Take a look at this map from 1852. It has "the volcanic series of Australasia" and "the volcanic series of Japan and Kamchatka, in Russia."		
https://www.youtube.com/watch?v=DrwYtGf40hA&t=375s&ab_channel=Vox		
By the 1960s, most scientists concluded the earth's surface is made up of a series of that slowly move into and apart from each other. Now look at where the eruptions and earthquakes occur. The Ring of Fire is the result of these plates crashing into		
The plates in the Pacific are moving than other plates around the world, adding stress where the plates interact.		
This plate is moving northwest, crashing into the North American plate, which all the volcanoes here.		
Over in California, the Pacific plate is grinding past the North American Plate where they meet is called the San Andreas Fault.		

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https://www.youtube.com/watch?v=DrwYtGf40hA&t=375s&ab_channel=Vox	
The causes thousands of earthquakes a year. A few of the are even large enough to cause serious	hem
Like the San Francisco-Oakland earthquake in 1989, which killed 63 people and injured nearly 4,000.	
All these plate interactions are from each other. But when grouped together, they make up the most seismically active reg in the world.	ion
The problem with the Ring of Fire is that geologists can't accurately when a volcano is going to erupt or an earthquake will should be ground.	ake
They can monitor tremors, gas emissions and temperature changes around a volcano to when it might erupt, but they can be sure of the exact timing or the severity.	't
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https://www.youtube.com/watch?v=DrwYtGf40hA&t=375s&ab_channel=Vox	
And those predictions get even weaker with earthquakes which aren' preceded by any, so we can't even see them comi One way scientists forecast the future of these phenomena is by look at the past take New Zealand, for example.	ng.
Earthquakes have occured on this fault line every 500 to 1,000 years There was a over 800 years ago and another one around the 500 mark. So scientists now believe New Zealand is due f mega quake.	
Over here in California, there is a 72% chance of a major earthquake along section of the San Andreas faultline in the next 30 years.	
Parts of Japan have a 25% chance of a big quake and Seattle could se one in the next 50 years that could impact 7 million people. In fact many countries along the Ring of Fire will continue to be for the foreseeable future.	



They can't get out of harm's way, but there is something they can do about it.			
https://www.youtube.com/watch?v=DrwYtGf40hA&t=375s&ab_channel=Vox			
In 2011, an earthquake and a following tsunami, killed 15,000 people and\$300 billion in damages in Japan.			
But those numbers (can be) a lot higher. See, Japan requires buildings be constructed with anti-earthquake designs, like the one in this video.			
And it has an early system that stopped high-speed trains, factory lines, and sent countrywide text a full minute before the tremor hit. While Japan's precautions didn't prevent the disaster, they did save countless lives.			
The problem is, not every country in the Ring of Fire is like Japan. Most of these countries have some form of anti-earthquake building code, but the and implementation of these codes varies. And none of these countries have early warning systems for earthquakes. In developing countries, these projects can be a problem.			

but even thener countries af ent taking the tisk seriously enough	
California, Oregon, Washington are some of the most states in the US, still don't have a public early-warning system in Because volcanoes and earthquakes continue to be	—— n place. threats,
governments tend to treat them as a low priority.	trii cats,
And that's what makes the Ring of Fire even more	
We know for certain that there will be more natural disasters at belt. What we don't know is if we'll be prepared for them.	long this

