



Questions:

1. Do you see a trend in the data? If so, how can this trend be explained?
2. Examine the rate of movement of the plates. What happens about 40 million years ago? What might have caused this?

Volcano Name	Distance from Kilauea along trend of chain (km)	Age (In millions of years)
Kilauea	0	0-0.4
Kahoolawe		$> 1.03 \pm 0.18$
Maui		1.32 ± 0.04
Lanai		1.28 ± 0.04
Molokai		1.76 ± 0.04
Kauai		5.1 ± 0.20
Nihoa		7.2 ± 0.3
Necker		10.3 ± 0.4
La Perouse Pinnacles		12.0 ± 0.4
Gardner Pinnacles		12.3 ± 1.0
Laysan		19.9 ± 0.3
Pearl and Hermes Reef		20.6 ± 2.7
Midway		27.7 ± 0.6
Yuryaku		43.4 ± 1.6
Ojin		55.2 ± 0.7
Jingu		55.4 ± 0.9
Nintoku		56.2 ± 0.6
Suiko		59.6 ± 0.6