



1. Using the data in the tables below, plot the points in the chart above.

Year	Average Anomaly
1990	0.31
1991	0.64
1992	0.64
1993	0.33
1994	0.48
1995	-0.16
1996	-0.47
1997	1.17
1998	-0.07
1999	-1.23

Year	Average Anomaly
2000	-0.83
2001	-0.30
2002	0.63
2003	0.26
2004	0.46
2005	0.03
2006	0.09
2007	-0.57
2008	-0.76
2009	0.33

Year	Average Anomaly
2010	-0.47
2011	-0.84
2012	-0.13
2013	-0.29
2014	0.13
2015	1.48
2016	0.36
2017	-0.18
2018	0.03
2019	0.50
2020	0.50

2. Mark any anomaly points of 0.5 and above in red. These are El Niño events.
3. Mark any anomaly points of -0.5 and below in blue. These are La Niña events.

4. Answer the following questions:

- How many El Niño events occurred over this 30 year period?  
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- How many La Niña events occurred over this same period?  
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- Was there any regularity to either of these events- did they happen every *X* years?  
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- Did any events last over a two-year period?  
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- Which event is most likely happening now?  
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