

i	yr	xi	i=1	i=2	i=3	i=4	i=5	i=6	i=7	i=8	i=9	i=10	i=11	i=12	i=13	i=14	i=15	i=16	i=17	i=18	i=19	i=20	i=21	i=22	i=23	i=24	i=25	i=26	i=27	i=28	i=29	i=30	
1	1988	27.233		-1	-1	-1	-1	-1	1	-1	-1	-1	1	1	1	1	-1	-1	-1	1	-1	-1	1	1	1	1	-1	1	1	1	1	1	
2	1989	26.625			1	1	-1	-1	1	-1	1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1990	26.783				1	-1	-1	1	-1	-1	-1	1	1	1	1	1	1	1	1	1	-1	1	1	1	1	-1	1	1	1	1	1	
4	1991	27.017					-1	-1	1	-1	-1	-1	1	1	1	1	1	1	1	-1	1	1	-1	1	1	1	1	-1	1	1	1	1	
5	1992	24.875						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	1993	26.408							1	-1	1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	1994	27.275								-1	-1	-1	1	1	-1	1	-1	-1	-1	1	-1	-1	1	1	1	1	-1	1	1	1	1	1	
8	1995	26.333									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	1996	26.667										-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	1997	26.35											1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1998	27.783												-1	-1	1	-1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	-1	1	1	1	
12	1999	27.717													-1	1	-1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	-1	1	1	1	
13	2000	27.267														1	-1	-1	-1	1	-1	-1	1	1	1	1	-1	1	1	1	1	1	
14	2001	27.817															-1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	-1	1	1	1	
15	2002	27.017																1	-1	1	1	-1	1	1	1	1	-1	1	1	1	1	1	
16	2003	27.2																	-1	1	-1	-1	1	1	1	1	-1	1	1	1	1	1	
17	2004	26.883																		1	1	-1	1	1	1	1	-1	1	1	1	1	1	
18	2005	27.967																			-1	-1	1	1	1	-1	-1	1	-1	1	1	1	
19	2006	27.125																				-1	1	1	1	1	-1	1	1	1	1	1	
20	2007	26.775																					1	1	1	1	-1	1	1	1	1	1	
21	2008	28.542																							-1	1	-1	-1	-1	-1	1	1	1
22	2009	28.467																								1	-1	-1	-1	-1	1	1	1
23	2010	29.45																									-1	-1	-1	-1	-1	-1	-1
24	2011	27.675																										-1	1	-1	1	1	1
25	2012	26.7																											1	1	1	1	1
26	2013	28.267																												-1	1	1	1
27	2014	27.617																													1	1	1
28	2015	28.933																														-1	-1
29	2016	28.917																															-1
30	2017	28.567																															

sum:	-1	0	1	-4	-3	6	-5	0	-5	10	9	6	13	2	3	-2	17	2	-7	20	19	22	9	-12	19	8	25	24	23
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T= 199

Var(T)= 3141.67

Z= 3.53252

abs(Z)= 3.53252

 $\alpha=0.01$ Z(1- $\alpha/2$) 2.57583

3.5325 > 2.6 بنابراین این آزمون وجود روند را تأیید می کند