

Le . atin D4 Education Munny Rez yo 60 $t \rightarrow$ 50/-150007 39 ft 2 39 h: = 65 -> 1200/-Cras

Inder No. I for Inder No. is a <u>Specialized Any</u> designed to measure the change is one variable or is group of variable with respect to time -) Juden No. measure the effect of change over a Revised of the useput in the study of Japlation & Deplation うして is is useful in case of forecasting -> If



There are mainly Vrs which from compose the data n : Po Bose yr current yr - P. or Bn ×100 penula 2 P. Pencil = <u>So</u> x 10 0 = 2507. 2020 = 50 2010 - 20Inder No. JATIN DEMBLA(1) represented s



 $\frac{2000 \pm 100}{2020 \pm 300}$



100 × 3001. = 300	300-100 = 200
100 + 200% = 300	

no. is taken 100 3 quen JATIN DEMBLA



30+ 1007. = 60 30× 2007. = 60

60 ×100 = 200%. U

atin De $2010 \Rightarrow P = 30$ $2020 \Rightarrow P = 60$

Granja Sabun.











20 with 2010 × 100 = 141.666% unt 1020 9in vose e, **C** NO El X100 = 51 50-











Jatin Def





9 Exodut 2010 2020 Jatin De 10 = 12 Sx 100 8 A Z 0 16 = 133.33 X100 B 12 × 100 = 133.33 27 74 18 13 4 S ×100 = 150 D 30 45 30 541.60 135.415 ~ 541.66 X100 M

Deighted Aggregative Inder

Laspergres Inder. No. -> It is Based on Base ye Inder. (1)



2 bassche's Inder No. -> It is Based on Current you Inder

= <u> 2 P.Q.</u> x100 EPOQ



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Inder run żz 0 EP, Qo 100 Or 5 P.Q. POQ ٤ 2 7

Her's Ideal Price Index -G M _A 9 tin De 92 \mathcal{P} Qo x10 U X G Q

$$S = \frac{S}{L}, Q_0 + \frac{S}{L}, Q_1 \times 100$$

$$= \frac{S}{S}, Q_0 + \frac{S}{S}, Q_1 \times 100$$

$$= \frac{S}{S}, Q_0 + \frac{S}{S}, Q_1 \times 100$$

$$= \frac{S}{S}, (Q_0 + Q_1) \times 100$$

$$= \frac{S}{S}, (Q_0 + Q_1) \times 100$$



L= <u>EP, Qo</u> x100 = <u>S90</u> x100 - 83.098 EP0 R0 710 710

X 100 <u>- 340</u> x 100 = 88.541 384 <u>Q</u>, EPOQ



Arol. Jatin Der Product ρ QA Ч B わ L= <u>EP, Qo</u> ~ 100 Eroqo $P = \frac{\xi P, Q_1}{\xi P_0 Q_1} \times \frac{100}{\chi}$ • JATIN DEMBLA

2020 2010 P,QO PoQo loQ, Readuct Po P,Q, Qo Q A 3 4 12 2 Jatin Den 20 15 B 20 44 158 9 8 \mathbb{N} L= EP, Q0 × 100 = 109.72 EP0Q0 FT= 111.475 DB = 111.49 = EPOQ ×100 = 113.26 EPOQ MG _ 2 98 74 1 144 JATIN DEMBL F] =

2020 2010 PoQO , Qu loQ, beduit R.Q. Po Qo Q, 20 S 40 4 B 50 8 Jatin Del 100 10 90 Ч 125 C 3 9 100 8 50 6 2900 1760 2235 1350 LIN0 = 2900 = 164.77 <u>= 164.77×16555 = 165,15</u>8 FINS. 1760 DBING = 164.77+1655 = 165.16 PINa = 2235 = 165.55 ME TND = 2900 + 2235 <u>SI3</u> 1350 1760 +1350 3110 = 165.11 JATIN DEMBLA



New salary = Old Salary X New Inder No. Old Inder No.

etin De

Price Index Consumer





can salary is 2010 in SO/2 and inder 6 that ye is 150 what salary should e to maintain some standard of livin no. is 990 Ration NS = 490 のユニーシッ OS = SO= <u>Sox490</u> = 163.333

geined 8000 in 9 No is 700 what curre T Toder hi solary new



ase Reacentage is always taken Odd Inder No =100) If not given

salary of Sooo in Recived Raran DOD inder No was 167 in 2020 Der No м 8 100 000 reined Con 02 re h ge NS = |SOOO|= 5000 07: = <u>Soco × 876</u> ~ 6 \mathbf{O}





X Test of Adequary atin De Init Test

Time Reversal Test







Unit Fest should be Independ -) All Test of unit All Formula of Inder No. satily this test <u>.)</u> ence Agg Inderle (enversted)



Fine Reversal Fest 7 atin De given is test No Pol × Pio = 51= 5 P,0 Po OnO \bigcirc 2 -Gn 2 Po P is not satisfied -) This nethod LING &PING. ly Fisher No But soluti hy Th



3 Factor Reversal Test This test is also given Fisher Indu Nr. Ly. PoixQo, = Vo, buin X Quantity = Value > This test is also satisfied by Fisher Inder Fisher Ider No. is Ideal Inder Mo. ror it satisfied test I & II

9 Circular Test This test is entension of Tim reversal Fest -> Po1 × P12 × P23 × P30 = 1 -) This test is not satisfied by any Index No. Except he GM of Price relating Sen with fixed might. weighted







	Pari	$\boldsymbol{\rho}$	
Vetia Deminia	pur		
2000	S O	= 100	100
2005	60	= <u>60</u> ×100 =120 So	<u>120 X100</u> = 120 106
2010	62	= <u>62</u> , x100 = 103.3	<u>103.3 × 120</u> = 123.9
2015	6 5	<u>65</u> x 100 ~ 104.838 62	104.838×12396=(29.9 1000

~

Quantity malex No - = <u>EQ</u> A99 Quat χ (00) Relative Quat = $\frac{\xi Q_1}{Q_2} \times 100$ Sint L N Lospeyres = EQ, Po E Q.Po - X100 3 Passche's 2 Q formula will FI, DB & ME also JATIN DEMBLA







Poine Inder Shilte Ou Juce Toole ()0 () ttin D4 which it Paice

Cortegu two into ries 2002020 JATIN DEMBLA Some Bon