

LAMPIRAN

Lampiran 1 Bukti Bimbingan Skripsi



PROGRAM STUDI STATISTIKA
SK BAN-PT No. 1765/SK/BAN-PT/AK-PP/J/S/III/2022
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS PGRI ADI BUANA SURABAYA

FORM F.SK05 BUKTI BIMBINGAN SKRIPSI

Nama Mahasiswa : ANJELINA Sarti Sriyati
NIM : 19240006
Judul Skripsi : Analisis faktor-faktor yang mempengaruhi perkembangan
di Provinsi Nusa Tenggara Timur tahun 2018 - 2021
Menggunakan regresi Data Panel
Dosen Pembimbing : Arkanti Indrasatianingsih, S.Si., M.Si

Materi Pembimbingan Proposal	Tanda Tangan Dosen Pembimbing
1. Mengantikan variabel yang tidak signifikan	
2. Perubahan interpretasi bagian BAB 4	
3. Memperbaiki cara penulisan model FEM	
4. Tambah pemodelan akhir	
5. Tambah interpretasi model	
6. Resisi artikel bagian abstrak	
7. Resisi artikel bagian pendahuluan	
8. Penulisan persamaan FEM kelas dan individu secara umum	

Catatan: *) Coret yang tidak sesuai

*Lembar ini digunakan untuk mendaftar Seminar dan Ujian Skripsi
(bimbingan skripsi minimal 8 kali)*

Lampiran 2 Revisi Seminar dan Ujian Skripsi



PROGRAM STUDI STATISTIKA
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FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS PGRI ADI BUANA SURABAYA

FORM F.SK08

PERBAIKAN/REVISI SEMINAR DAN UJIAN SKRIPSI

Nama Mahasiswa : Anjani Satri Syati
NIM : 192400016
Judul Skripsi : Analisis Faktor-faktor yang Mempengaruhi Keberhasilan di Provinsi Nusa Tenggara Timur Tahun 2018-2021 Menggunakan Regresi Data Panel
Dosen Pembimbing : Artanti Indrasetyaningih, S.Si., M.Si

Materi Revisi Seminar dan Ujian Skripsi	Tanda Tangan Dosen Penguji
1. Penulisan Rumus bagian BAB II	
2. Penulisan Rumus Artikel	
3. Interpretasi model bagian FEM	
4. Penulisan rumus FEM individu dan waktu	
5. Interpretasi model keseluruhan.	

Surabaya, 6 Agustus 2023.

Dosen Pembimbing,

Artanti Indrasetyaningih, S.Si., M.Si

NPP: 0609466/DY

Catatan: *) Coret yang tidak sesuai

Lembar ini digunakan untuk bukti perbaikan makalah/jurnal dan hasil ujian skripsi. Batas waktu revisi proposal dua minggu terhitung dari waktu ujian proposal

Lampiran 2 Tabel data penelitian Data Panel

Kabupaten	Tahun	Y	X1	X2	X3	X4	X5
Sumba Barat	2018	28.51	2.17	6.52	63.97	2.37	7275
	2019	28.29	2.17	6.53	69.8	2.38	7586
	2020	28.17	2.18	6.6	71.06	2.72	7321
	2021	28.39	2.18	6.84	74.14	2.75	7307
Sumba Timur	2018	30.13	5.82	6.74	77.08	4.86	9351
	2019	30.02	5.8	6.86	68.25	4.74	9640
	2020	29.65	5.81	7.12	72.13	4.6	9406
	2021	29.68	5.77	7.32	72.39	4.58	9354
Kupang	2018	23.1	7.14	7.11	69.94	6.49	7472
	2019	23.03	7.05	7.37	60.07	7.4	7698
	2020	22.77	7.09	7.38	72.15	6.88	7526
	2021	22.98	7.2	7.39	73.76	6.91	7476
Timor Tengah Selatan	2018	28.06	7.37	6.47	75.96	9.42	6855
	2019	27.87	7.35	6.72	69.52	8.58	6955
	2020	27.49	7.38	6.73	74.47	8.55	6861
	2021	26.64	7.43	6.74	78.59	8.49	6839
Timor Tengah Utara	2018	22.31	3.83	7.26	75.04	4.9	6357
	2019	22.45	3.79	7.51	70.24	4.66	6479
	2020	22.28	3.79	7.81	78.13	4.88	6364
	2021	22.62	3.81	7.96	78.41	4.88	6324
Belu	2018	15.7	4.15	7.08	65.62	4.02	7403
	2019	15.54	4.16	7.11	63.48	4.03	7677
	2020	15.37	4.22	7.35	70.23	4.09	7479
	2021	15.68	4.23	7.36	70.81	4.1	7431
Alor	2018	21.63	2.83	7.81	65.83	4.06	6750
	2019	21.59	2.83	8.09	69.85	3.77	6958

	2020	21.09	2.83	8.41	75.27	3.98	6786
	2021	21.09	2.85	8.42	72.4	3.97	6751
Lembata	2018	26.45	1.72	7.95	68.06	2.52	7253
	2019	26.3	1.72	8.21	68.73	2.62	7474
	2020	26.14	1.72	8.22	68.95	2.55	7305
	2021	26.21	1.72	8.23	68.24	2.55	7257
Flores Timur	2018	11.05	4.9	7.42	68.98	4.96	7573
	2019	10.9	4.87	7.7	66.57	4.69	7770
	2020	10.84	4.89	7.71	71.79	5.2	7631
	2021	11.14	4.85	7.72	71.8	5.22	7578
Sikka	2018	13.82	4.73	6.69	70.63	6.41	7958
	2019	13.53	4.75	6.71	65.51	5.87	8313
	2020	13.12	4.75	6.94	73.42	6.05	8081
	2021	13.35	4.79	6.95	73.92	6.02	8021
Ende	2018	24.2	5.69	7.79	73.63	5.56	8995
	2019	23.18	5.66	7.8	71.65	5.02	9315
	2020	23.76	5.64	7.81	72.22	5.08	9094
	2021	24.13	5.69	8.03	77.57	5.05	9027
Ngada	2018	12.94	3.23	8.07	70.89	3.04	8857
	2019	12.48	3.22	8.37	71.04	2.99	8961
	2020	12.51	3.24	8.52	71.49	3.1	8865
	2021	12.58	3.22	8.53	72.49	3.11	8819
Manggarai	2018	20.83	4.33	7.26	73.14	6.24	7175
	2019	20.55	4.34	7.27	70.54	6.2	7276
	2020	20.34	4.31	7.37	76.53	5.87	7203
	2021	20.48	4.29	7.61	77.6	5.85	7133
Rote Ndao	2018	28.08	2.88	7.24	72.98	2.56	6484
	2019	27.95	2.91	7.29	69.46	3.15	6720

	2020	27.54	2.94	7.59	73.07	2.7	6539
	2021	28.08	2.96	7.71	74.16	2.71	6503
Manggarai Barat	2018	18.14	3.19	7.18	67.24	4.74	7426
	2019	18.01	3.22	7.19	72.87	5.03	7602
	2020	17.71	3.27	7.3	78.52	4.81	7468
	2021	17.92	3.25	7.56	73.18	4.82	7410
	2018	34.85	1.09	5.76	63.4	1.33	6093
Sumba Tengah	2019	34.62	1.09	5.96	67.97	1.33	6198
	2020	34.49	1.11	6.25	69.98	1.61	6108
	2021	34.27	1.11	6.47	69.12	1.63	6061
	2018	28.51	3.48	6.52	63.97	6.09	6298
Sumba Barat	2019	28.29	3.48	6.53	69.8	6.32	6594
	2020	28.17	3.5	6.6	71.06	5.7	6372
	2021	28.39	3.5	6.84	74.14	5.67	6355
	2018	12.98	2.1	7.82	63.8	2.78	8219
Nagekeo	2019	12.85	2.08	7.83	67.14	2.67	8469
	2020	12.61	2.11	7.89	70.05	3	8309
	2021	12.91	2.11	7.9	67.19	3.02	8254
	2018	26.5	2.97	6.65	67.88	5.4	5809
Manggarai Timur	2019	26.49	2.98	6.87	79.67	5.26	5919
	2020	26.52	3.05	7.08	81.73	5.18	5818
	2021	26.5	3.08	7.35	81.95	5.16	5780
	2018	30.83	1.31	6.06	75.72	1.57	5245
Sabu Raijua	2019	30.52	1.31	6.33	69.22	1.78	5354
	2020	30.18	1.31	6.65	75.11	1.68	5265
	2021	30.13	1.31	6.66	68.82	1.69	5256
	2018	16.34	2.57	6.6	71.76	3.5	5894
Malaka	2019	16.12	2.58	6.86	70.1	3.52	5998

	2020	16.04	2.63	6.87	67.47	3.45	5901
	2021	16.33	2.64	7.1	70.1	3.45	5861
Kota Kupang	2018	9.61	22.5	11.46	57.67	7.19	13199
	2019	9.22	22.6	11.47	58.75	7.97	13592
	2020	8.96	22.2	11.58	64.14	8.31	13337
	2021	9.17	22	11.6	62.34	8.4	13218

Lampiran 4 Tabel Statistika Deskriptif Tahun 2018

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Y	22	9,61	34,85	22,0427	7,27243
X1	22	1,09	22,50	4,5455	4,36274
X2	22	5,76	652,00	36,5791	137,46075
X3	22	57,67	79,68	69,9500	5,33408
X4	22	1,33	9,42	4,5459	2,00501
X5	22	5245	13199	7451,86	1664,199
Valid N(listwise)	22				

Lampiran 5 .Tabel Statistika Deskriptif Tahun 2019

Descriptive Statistics

	N	Minimu m	Maximu m	Mean	Std. Deviation
Y	22	9,22	34,62	21,7986	7,26985
X1	22	1,09	22,64	4,5455	4,38595
X2	22	5,96	11,47	7,3809	1,11607
X3	22	58,75	79,67	69,0345	4,74373
X4	22	1,33	8,58	4,5445	1,96424
X5	22	5354	13592	7661,27	1724,877
Valid N (listwise)	22				

Lampiran 6.Tabel Statistika Deskriptif Tahun 2020

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	22	8,96	34,49	21,6173	7,26240
X1	22	1,11	22,20	4,5441	4,29569
X2	22	6,25	11,58	7,5236	1,10359
X3	22	64,14	81,73	72,9918	4,03608
X4	22	1,61	8,55	4,5450	1,90317
X5	22	5265	13337	7501,77	1690,313
Valid N (listwise)	22				

Lampiran 7. Tabel Statistika Deskriptif Tahun 2021

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Y	22	9,17	34,27	21,7482	7,15883
X1	22	1,11	22,00	4,5450	4,26040
X2	22	6,35	11,60	7,6273	1,07583
X3	22	62,34	83,33	73,2868	4,92747
X4	22	1,63	8,49	4,5468	1,89949
X5	22	5256	13218	7455,23	1671,720
Valid N (listwise)	22				

Lampiran 8 Uji Multikolinieritas Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 C	-						
	6,471E-07	,080		,000	1,000		
X1	,873	,224	,873	3,907	,000	,131	7,655
X2	-,765	,154	-,765	-4,968	,000	,275	3,636
X3	,219	,097	,219	2,254	,027	,691	1,447
X4	-,506	,136	-,506	-3,710	,000	,351	2,853
X5	-,332	,164	-,332	-2,027	,046	,244	4,103

Lampiran 9. Model CEM

Dependent Variable: Y

Method: Panel Least Squares

Date: 05/08/23 Time: 16:12

Sample: 2018 2021

Periods included: 4

Cross-sections included: 22

Total panel (balanced) observations: 88

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-6.47E-07	0.080333	-8.06E-06	1.0000
X1	0.873448	0.223541	3.907327	0.0002
X2	-0.765433	0.154060	-4.968394	0.0000
X3	0.219095	0.097185	2.254420	0.0268
X4	-0.506207	0.136458	-3.709615	0.0004
X5	-0.331813	0.163657	-2.027491	0.0459
R-squared	0.464741	Mean dependent var		-2.27E-07
Adjusted R-squared	0.432103	S.D. dependent var		1.000000
S.E. of regression	0.753589	Akaike info criterion		2.337808
Sum squared resid	46.56756	Schwarz criterion		2.506717
Log likelihood	-96.86355	Hannan-Quinn criter.		2.405857
F-statistic	14.23935	Durbin-Watson stat		0.117850
Prob(F-statistic)	0.000000			

Lampiran 10 Model FEM Efek Individu

Dependent Variable: Y

Method: Panel Least Squares

Date: 05/08/23 Time: 16:13

Sample: 2018 2021

Periods included: 4

Cross-sections included: 22

Total panel (balanced) observations: 88

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.84E-07	0.003398	-8.37E-05	0.9999
X1	0.329626	0.265880	1.239754	0.2198
X2	-0.079351	0.023503	-3.376183	0.0013
X3	-0.008688	0.005920	-1.467670	0.1473
X4	0.044016	0.034115	1.290209	0.2018
X5	-0.172393	0.065453	-2.633849	0.0107

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999288	Mean dependent var	-2.27E-07
Adjusted R-squared	0.998984	S.D. dependent var	1.000000
S.E. of regression	0.031876	Akaike info criterion	-3.806783
Sum squared resid	0.061979	Schwarz criterion	-3.046691
Log likelihood	194.4984	Hannan-Quinn criter.	-3.500561
F-statistic	3290.952	Durbin-Watson stat	2.074205
Prob(F-statistic)	0.000000		

Lampiran 11FEM dengan Efek Waktu

Dependent Variable: Y
 Method: Panel Least Squares
 Date: 05/27/23 Time: 15:32
 Sample: 2018 2021
 Periods included: 4
 Cross-sections included: 22
 Total panel (balanced) observations: 88

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-6.57E-07	0.081566	-8.06E-06	1.0000
X1	0.892021	0.228615	3.901849	0.0002
X2	-0.768421	0.160556	-4.785999	0.0000
X3	0.233502	0.111052	2.102640	0.0387
X4	-0.516317	0.139881	-3.691125	0.0004
X5	-0.336942	0.166993	-2.017700	0.0470

Effects Specification

Period fixed (dummy variables)

R-squared	0.468366	Mean dependent var	-2.27E-07
Adjusted R-squared	0.414530	S.D. dependent var	1.000000
S.E. of regression	0.765160	Akaike info criterion	2.399193
Sum squared resid	46.25211	Schwarz criterion	2.652557
Log likelihood	-96.56448	Hannan-Quinn criter.	2.501267
F-statistic	8.699826	Durbin-Watson stat	0.099391
Prob(F-statistic)	0.000000		

Lampiran 12 Model REM

Dependent Variable: Y
 Method: Panel EGLS (Cross-section random effects)
 Date: 05/08/23 Time: 16:14
 Sample: 2018 2021
 Periods included: 4
 Cross-sections included: 22
 Total panel (balanced) observations: 88
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.61E-07	0.173532	-9.29E-07	1.0000
X1	-0.040688	0.151092	-0.269291	0.7884
X2	-0.085799	0.023372	-3.670996	0.0004
X3	-0.007779	0.005893	-1.319987	0.1905
X4	0.021845	0.031656	0.690058	0.4921
X5	-0.192918	0.063884	-3.019823	0.0034
Effects Specification				
			S.D.	Rho
Cross-section random			0.813780	0.9985
Idiosyncratic random			0.031876	0.0015
Weighted Statistics				
R-squared	0.253824	Mean dependent var	-4.45E-09	
Adjusted R-squared	0.208325	S.D. dependent var	0.037192	
S.E. of regression	0.033092	Sum squared resid	0.089798	
F-statistic	5.578723	Durbin-Watson stat	1.463435	
Prob(F-statistic)	0.000179			
Unweighted Statistics				
R-squared	0.235542	Mean dependent var	-2.27E-07	
Sum squared resid	66.50782	Durbin-Watson stat	0.001976	

Lampiran 13 Uji CHOW

Redundant Fixed Effects Tests
 Equation: Untitled
 Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	2179.570429	(21,61)	0.0000
Cross-section Chi-square	582.723987	21	0.0000

Lampiran 14 Uji Hausman

Correlated Random Effects - Hausman Test

Equation: Untitled

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	11.379548	5	0.0444

Lampiran 15 UJI T

Dependent Variable: Y

Method: Panel Least Squares

Date: 05/27/23 Time: 15:39

Sample: 2018 2021

Periods included: 4

Cross-sections included: 22

Total panel (balanced) observations: 88

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.84E-07	0.003398	-8.37E-05	0.9999
X1	0.329626	0.265880	1.239754	0.2198
X2	-0.079351	0.023503	-3.376183	0.0013
X3	-0.008688	0.005920	-1.467670	0.1473
X4	0.044016	0.034115	1.290209	0.2018
X5	-0.172393	0.065453	-2.633849	0.0107

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999288	Mean dependent var	-2.27E-07
Adjusted R-squared	0.998984	S.D. dependent var	1.000000
S.E. of regression	0.031876	Akaike info criterion	-3.806783
Sum squared resid	0.061979	Schwarz criterion	-3.046691
Log likelihood	194.4984	Hannan-Quinn criter.	-3.500561
F-statistic	3290.952	Durbin-Watson stat	2.074205
Prob(F-statistic)	0.000000		

Lampiran 16 Uji F

Dependent Variable: Y

Method: Panel Least Squares

Date: 05/27/23 Time: 15:39

Sample: 2018 2021

Periods included: 4

Cross-sections included: 22

Total panel (balanced) observations: 88

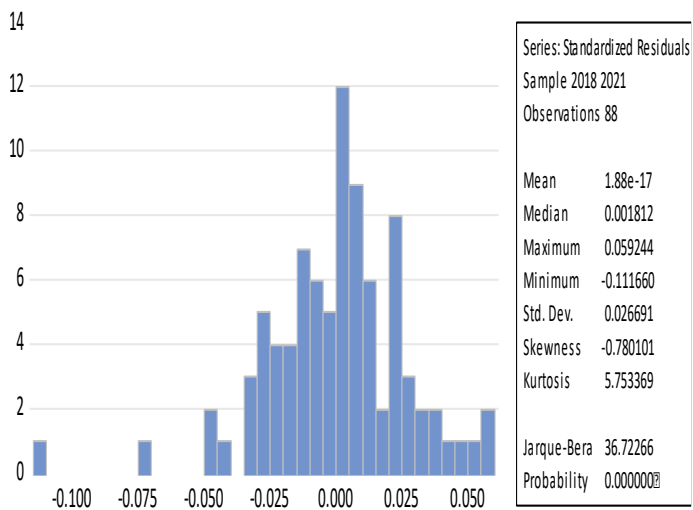
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.84E-07	0.003398	-8.37E-05	0.9999
X1	0.329626	0.265880	1.239754	0.2198
X2	-0.079351	0.023503	-3.376183	0.0013
X3	-0.008688	0.005920	-1.467670	0.1473
X4	0.044016	0.034115	1.290209	0.2018
X5	-0.172393	0.065453	-2.633849	0.0107

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999288	Mean dependent var	-2.27E-07
Adjusted R-squared	0.998984	S.D. dependent var	1.000000
S.E. of regression	0.031876	Akaike info criterion	-3.806783
Sum squared resid	0.061979	Schwarz criterion	-3.046691
Log likelihood	194.4984	Hannan-Quinn criter.	-3.500561
F-statistic	3290.952	Durbin-Watson stat	2.074205
Prob(F-statistic)	0.000000		

Lampiran 17 Uji Normalitas



Lampiran 18 Uji Autokorelasi

R-squared	0.999288	Mean dependent var	-2.27E-07
Adjusted R-squared	0.998984	S.D. dependent var	1.000000
S.E. of regression	0.031876	Akaike info criterion	-3.806783
Sum squared resid	0.061979	Schwarz criterion	-3.046691
Log likelihood	194.4984	Hannan-Quinn criter.	-3.500561
F-statistic	3290.952	Durbin-Watson stat	2.074205
Prob(F-statistic)	0.000000		

Lampiran 19 Uji Heteroskedastisitas

Dependent Variable: ABS(RESID)

Method: Panel Least Squares

Date: 05/27/23 Time: 15:43

Sample: 2018 2021

Periods included: 4

Cross-sections included: 22

Total panel (balanced) observations: 88

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.019463	0.001804	10.78790	0.0000
X1	0.111312	0.141171	0.788491	0.4335
X2	0.004474	0.012479	0.358487	0.7212
X3	0.003343	0.003143	1.063501	0.2917
X4	-0.017562	0.018114	-0.969540	0.3361
X5	0.007429	0.034753	0.213767	0.8314

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.389976	Mean dependent var	0.019463
Adjusted R-squared	0.129966	S.D. dependent var	0.018145
S.E. of regression	0.016925	Akaike info criterion	-5.072924
Sum squared resid	0.017473	Schwarz criterion	-4.312832
Log likelihood	250.2087	Hannan-Quinn criter.	-4.766702
F-statistic	1.499850	Durbin-Watson stat	3.051988

Lampiran 20. Uji Koefisien Determinasi (R^2)

Dependent Variable: Y

Method: Panel Least Squares

Date: 05/27/23 Time: 15:42

Sample: 2018 2021

Periods included: 4

Cross-sections included: 22

Total panel (balanced) observations: 88

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.84E-07	0.003398	-8.37E-05	0.9999
X1	0.329626	0.265880	1.239754	0.2198
X2	-0.079351	0.023503	-3.376183	0.0013
X3	-0.008688	0.005920	-1.467670	0.1473
X4	0.044016	0.034115	1.290209	0.2018
X5	-0.172393	0.065453	-2.633849	0.0107

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999288	Mean dependent var	-2.27E-07
Adjusted R-squared	0.998984	S.D. dependent var	1.000000
S.E. of regression	0.031876	Akaike info criterion	-3.806783
Sum squared resid	0.061979	Schwarz criterion	-3.046691
Log likelihood	194.4984	Hannan-Quinn criter.	-3.500561
F-statistic	3290.952	Durbin-Watson stat	2.074205
Prob(F-statistic)	0.000000		

Lampiran 21 Intercep Cross_Section

_SUMBA_BARAT--C	1.069703
_SUMBA_TIMUR--C	1.201908
_KUPANG--C	-0.101915
_TIMOR_TENGAH_S...	0.367719
_TIMOR_TENGAH_U...	0.040111
_BELU--C	-0.861700
_ALOR--C	0.062329
_LEMBATA--C	0.919087
_FLORES_TIMUR--C	-1.533003
_SIKKA--C	-1.211147
_ENDE--C	0.380715
_NGADA--C	-0.943635
_MANGGARAI--C	-0.225460
_ROTE_NDAO--C	0.928239
_MANGGARAI_BARA...	-0.458647
_SUMBA_TENGAH--C	1.879489
_SUMBA_BARAT_DA...	0.789179
_NAGEKEO--C	-0.926232
_MANGGARAI_TIMUR...	0.565436
_SABU_RAIJUA--C	1.221334
_MALAKA--C	-0.823254
_KOTA_KUPANG--C	-2.340255

Lampiran 22. Intercep Time Series

DATEID	Effect
1/1/2018	-0.049352
1/1/2019	0.091580
1/1/2020	-0.061584
1/1/2021	0.019356