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NIM : L200170057

Kelas : C

MODUL 12

REGRESI LINIER SEDERHANA

LANGKAH – LANGKAH PRAKTIKUM

1. Mencari Nilai t-hitung dan Model Regresi Linier

Microsoft Excel (Product Activation Failed)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)	NILAI															
2	S-101	JOKO	15	783															
3	S-102	AGUS	18	877															
4	S-103	SUSI	7	505															
5	S-104	DYAH	9	860															
6	S-105	WATI	15	968															
7	S-106	IKA	17	793															
8	S-107	EKO	10	752															
9	S-108	YANTO	5	571															
10	S-109	WAWAN	8	667															
11	S-110	MAHMUD	15	723															
12																			
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25																			

RapidMiner Studio

Process

Repository

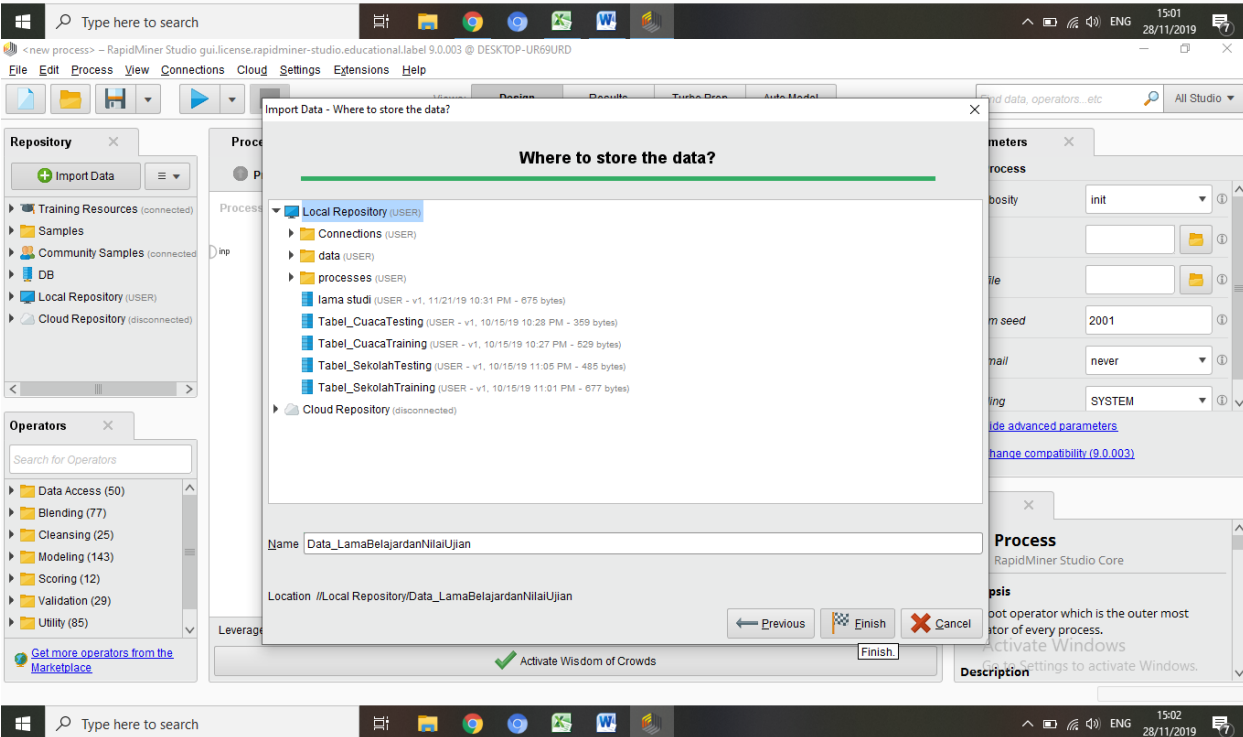
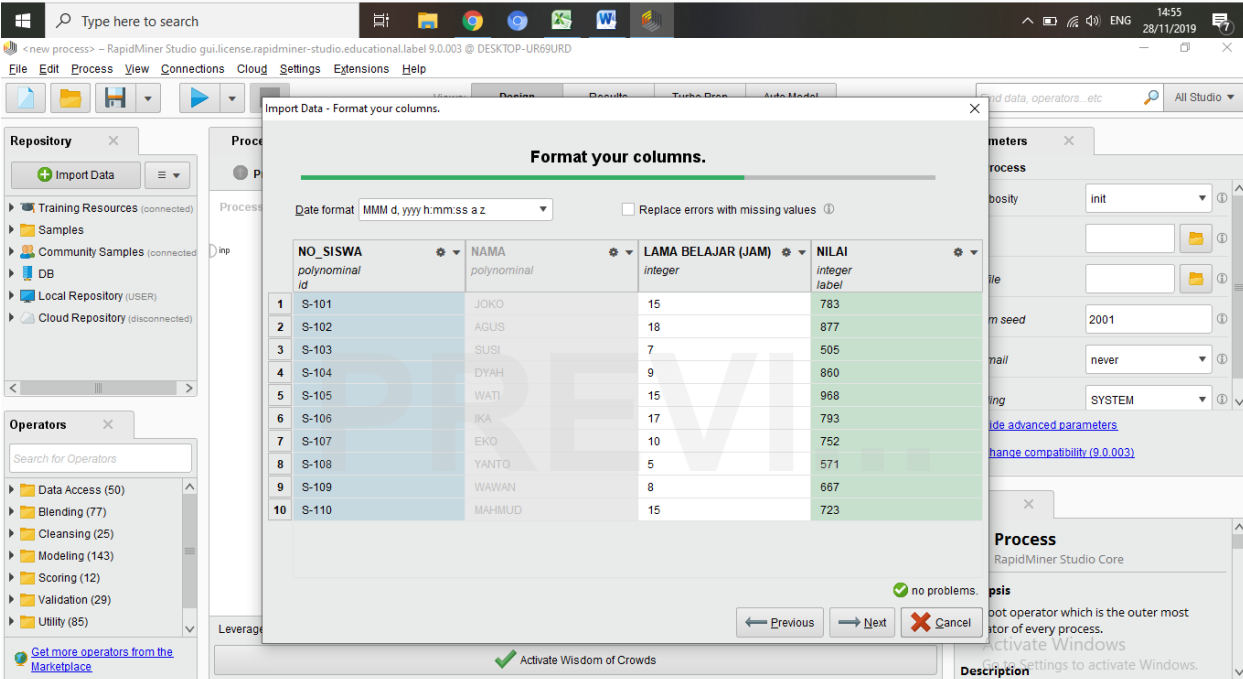
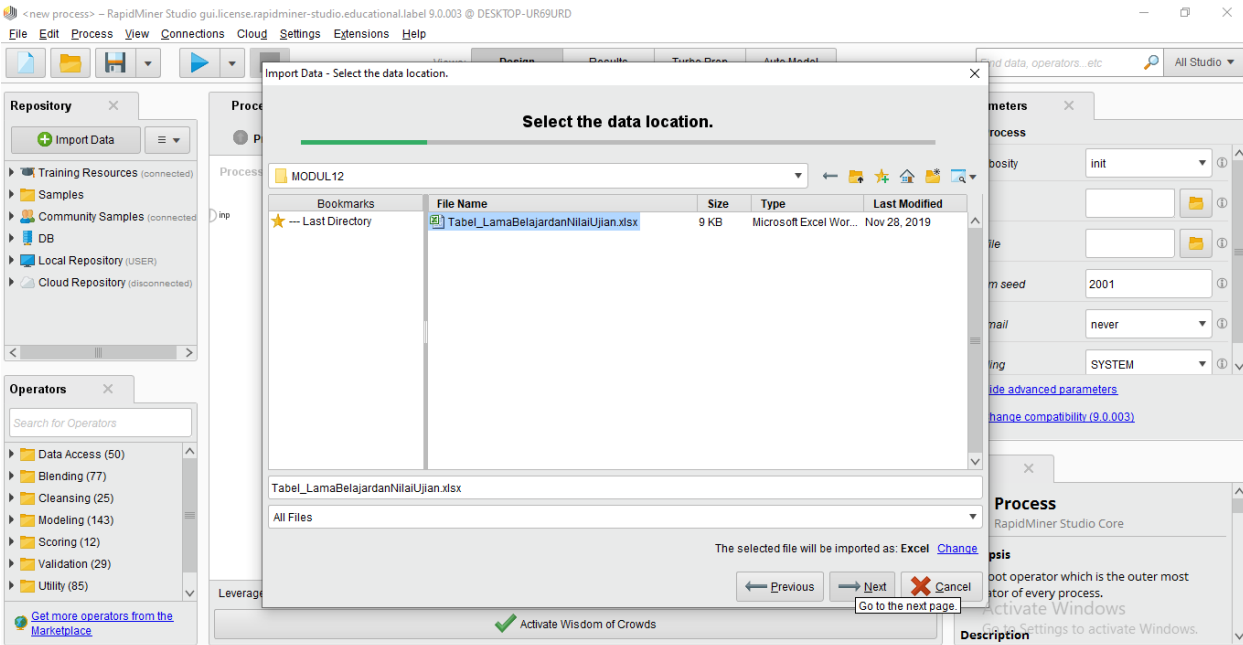
Operators

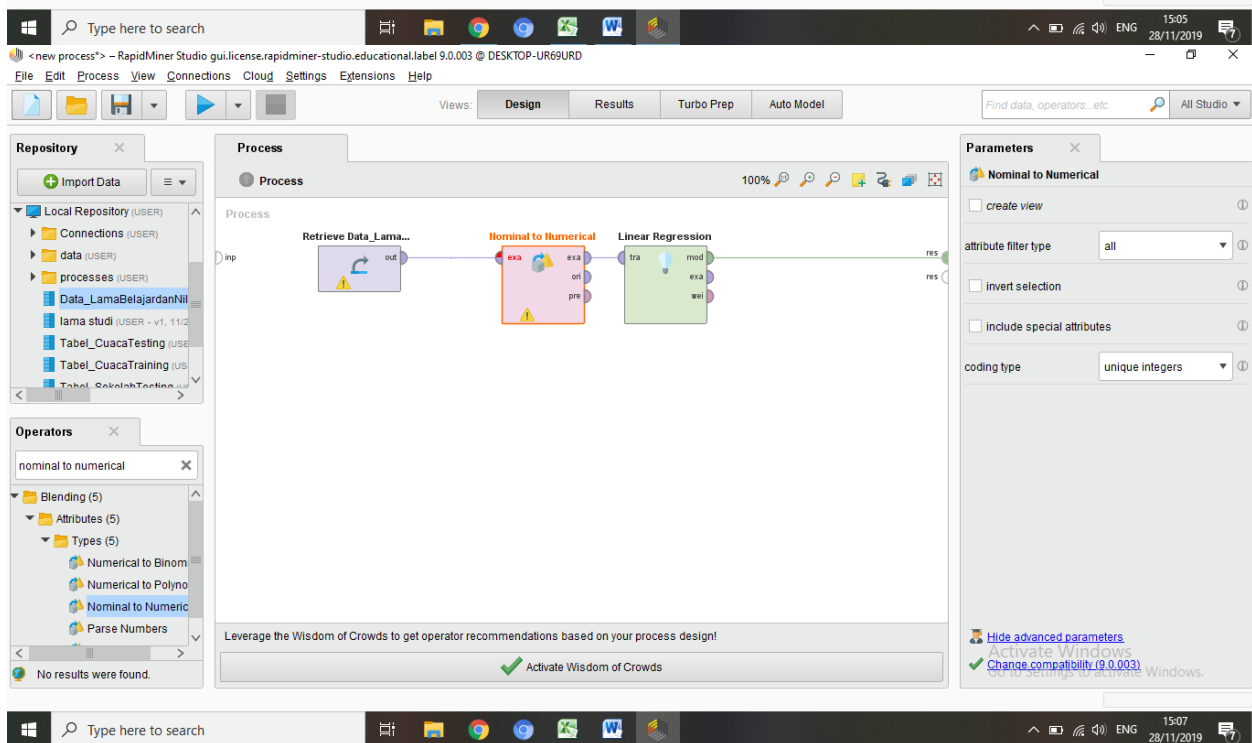
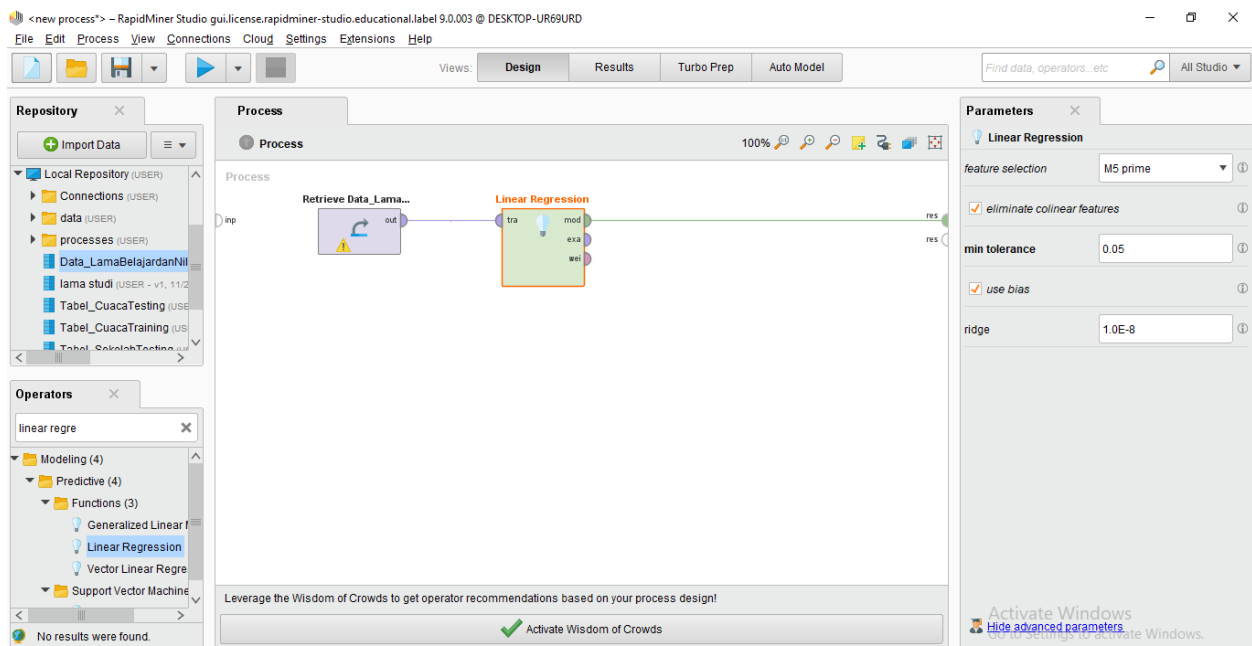
Parameters

Help

logverbosity	init
logfile	
resultfile	
random seed	2001
send mail	never
encoding	SYSTEM

Your process looks empty.
Add some data first.
Drag data or operators here.





Hasil proses regresi linier :

a) Table View (mencari besarnya nilai t-hitung)

Result History

LinearRegression (Linear Regression)

ExampleSet (/Local Repository/Data_LamaBelajardanNilaiUjian)

Data

Description

Annotations

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
LAMA BELAJAR (JAM)	21.608	7.645	0.707	1	2.827	0.022	**
(Intercept)	492.769	96.909	?	?	5.085	0.001	****

Activate Windows
Go to Settings to activate Windows.

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28/11/2019

b) Text View (mencari model regresi)

Result History

LinearRegression (Linear Regression)

ExampleSet (/Local Repository/Data_LamaBelajardanNilaiUjian)

Data

Description

Annotations

LinearRegression

21.608 * LAMA BELAJAR (JAM)
+ 492.769

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28/11/2019

2. Mencari Nilai t dan Model Regresi Linier Menggunakan RapidMiner

Tabel_PrediksiNilaiUjian - Microsoft Excel (Product Activation Failed)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)																
2	S-111	BUDI	12																
3	S-112	SANTI	13																
4	S-113	DIAN	14																
5	S-114	DANI	11																
6	S-115	AHMAD	5																
7	S-116	BAYU	13																
8	S-117	RISA	9																
9	S-118	RANI	10																
10	S-119	YANI	10																
11	S-120	RATIH	9																
12																			
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<new process> - RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-UR69URD

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB
- Local Repository (USER)
- Cloud Repository (disconnected)

Operators

Search for Operators

- Data Access (50)
- Blending (77)
- Cleansing (25)
- Modeling (143)
- Scoring (12)
- Validation (29)
- Utility (85)

Get more operators from the Marketplace

Process

Process

100%

Your process looks empty. Add some data first. Drag data or operators here.

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds

Parameters

Process

- logverbosity: init
- logfile:
- resultfile:
- random seed: 2001
- send mail: never
- encoding: SYSTEM

Hide advanced parameters

Change compatibility (9.0.003)

Help

Process

RapidMiner Studio Core

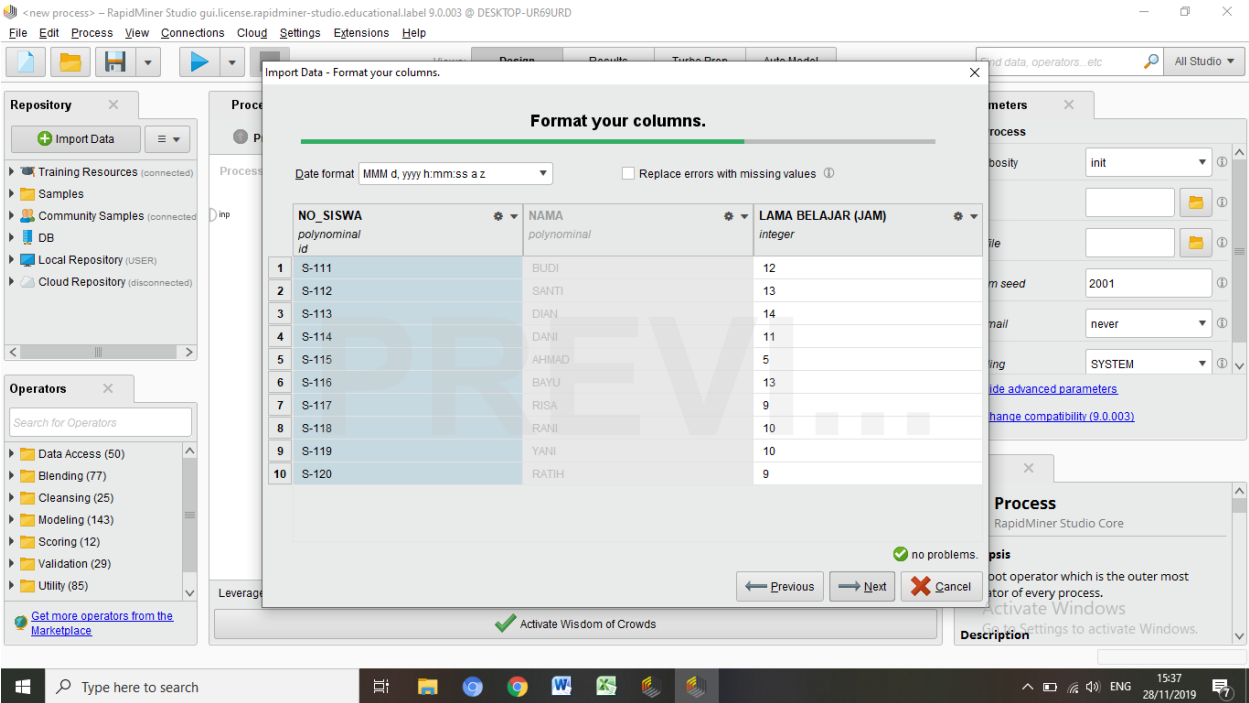
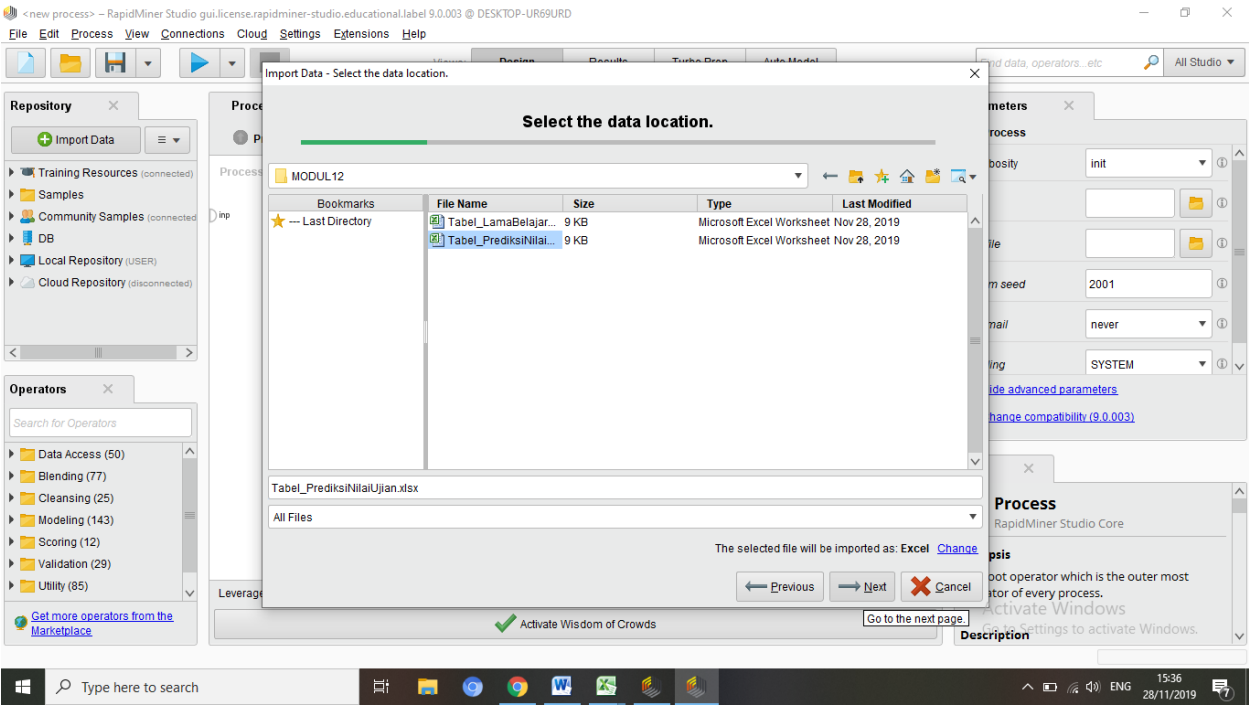
Synopsis

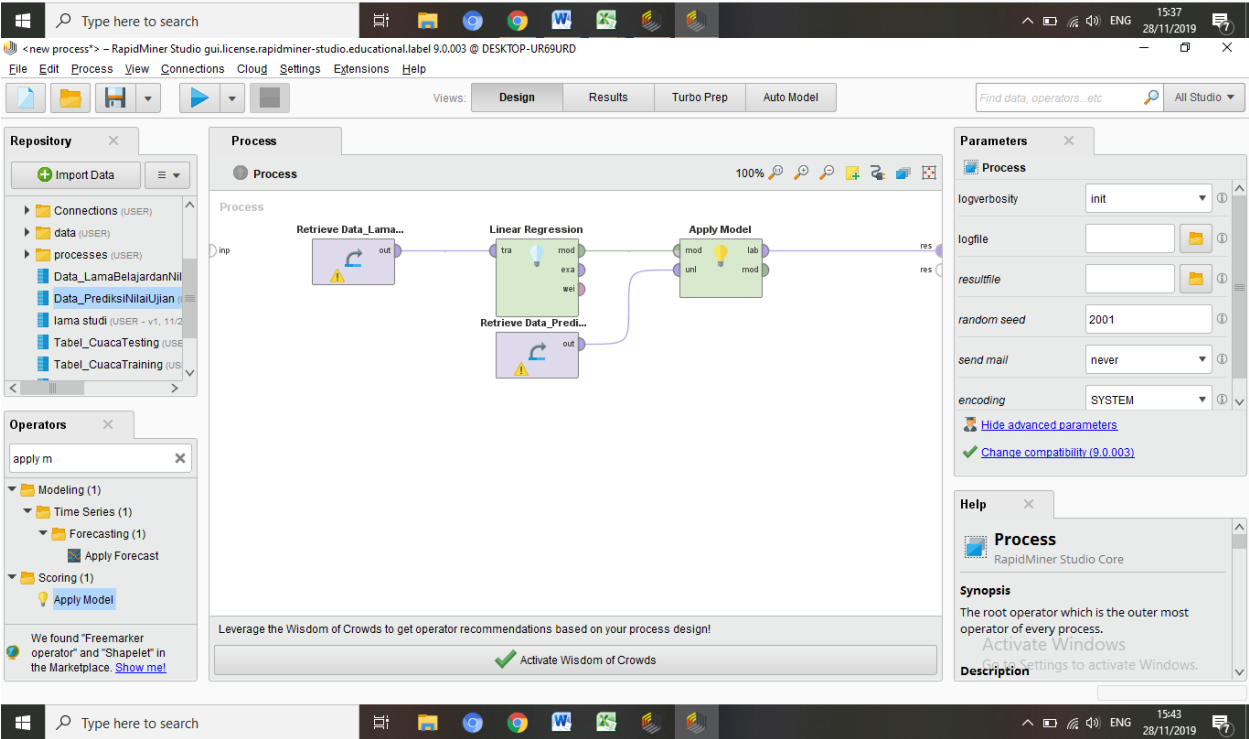
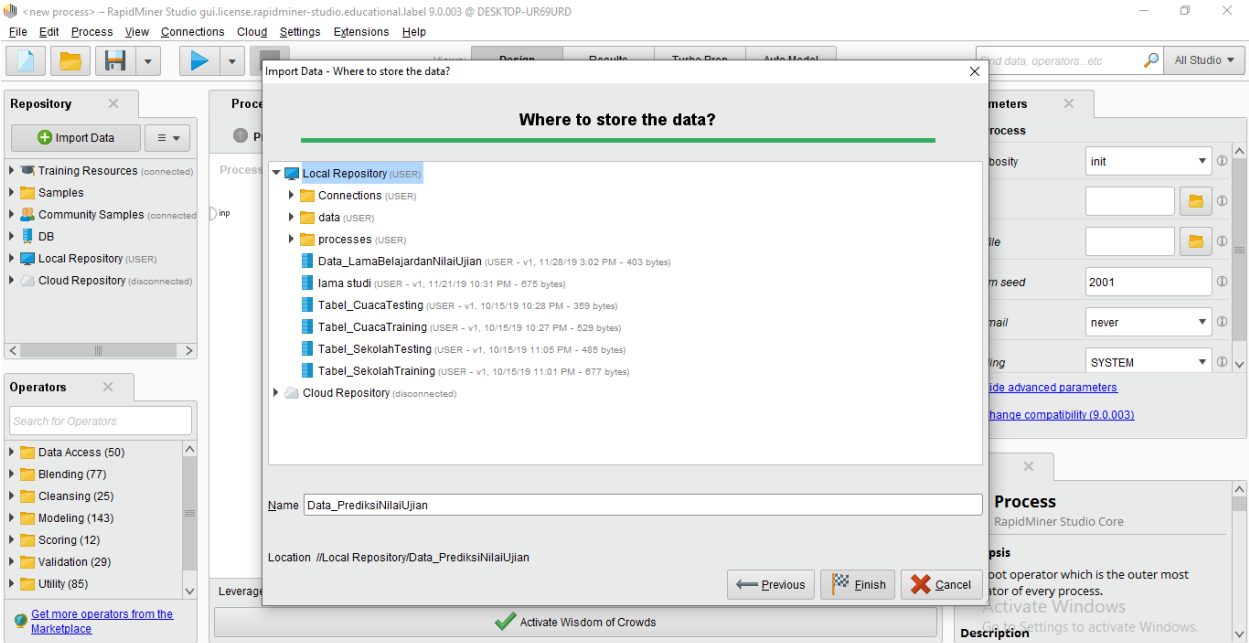
The root operator which is the outer most operator of every process.

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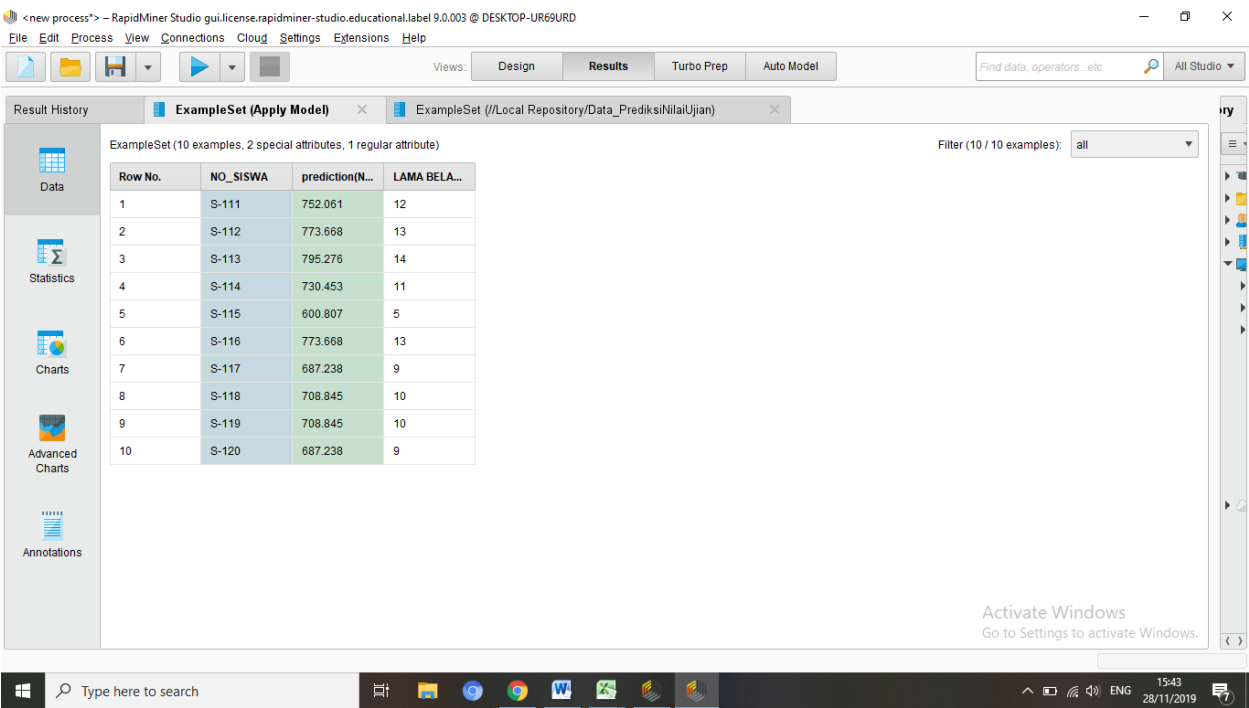
Description



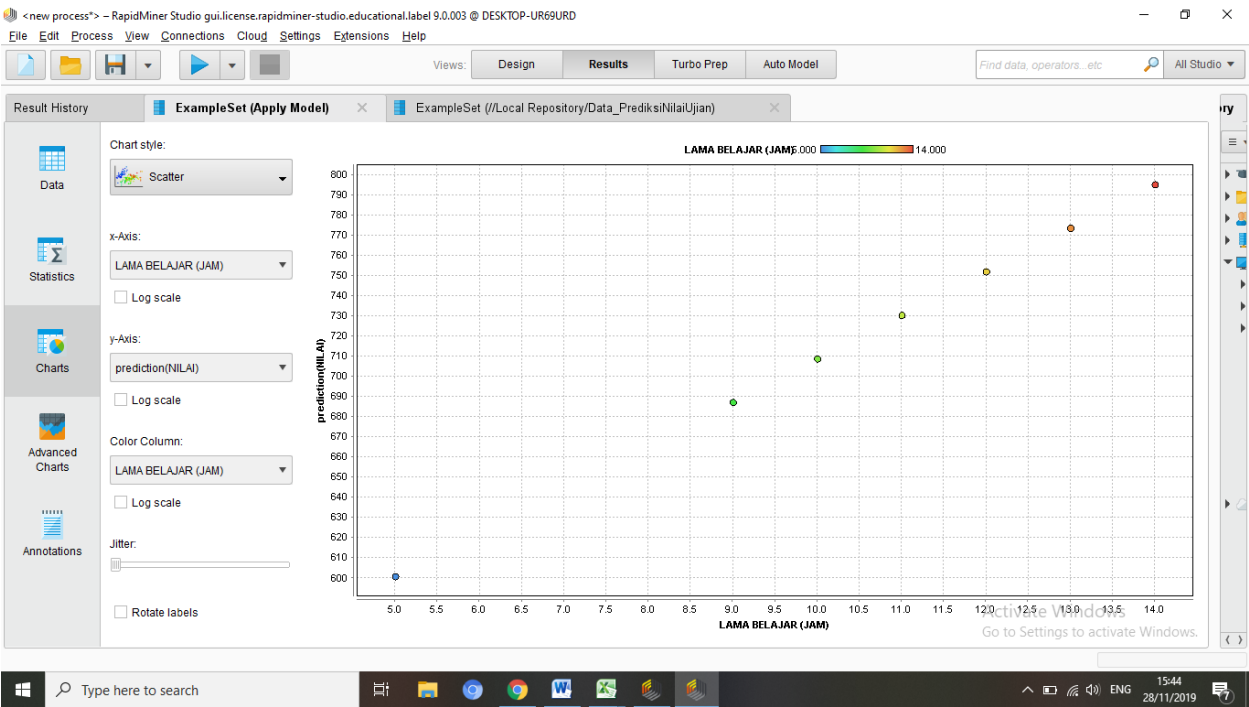


Hasil proses prediksi terhadap data testing menggunakan regresi linier :

a) Data View (mencari besarnya nilai t-hitung)



b) Charts View (Scatter Plot)



3. Pembuktian Model Regresi

$Y = 21,608X_1 + 492,769$

Tabel_PrediksiNilaiUjian - Microsoft Excel (Product Activation Failed)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	NO_SISWA	NAMA	LAMA BELAJAR	Prediction (NILAI)	Prediction (NILAI)												
2			(JAM)	Tabel	Model Regrest												
3	S-111	BUDI	12	752,061	752,065												
4	S-112	SANTI	13	773,668	773,673												
5	S-113	DIAN	14	795,276	795,281												
6	S-114	DANI	11	730,453	730,457												
7	S-115	AHMAD	5	600,807	600,809												
8	S-116	BAYU	13	773,668	773,673												
9	S-117	RISA	9	687,238	687,241												
10	S-118	RANI	10	708,845	708,849												
11	S-119	YANI	10	708,845	708,849												
12	S-120	RATIH	9	687,238	687,241												
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	

Activate Windows
Go to Settings to activate Windows.

Ready Sheet1 Sheet2 Sheet3

Average: 721,8138 Count: 10 Sum: 7218,138 100%

Type here to search

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28/11/2019