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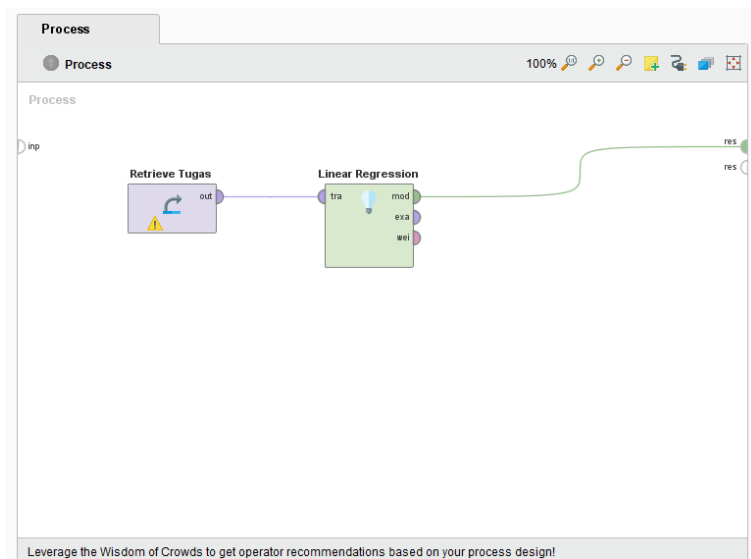
Modul : 12

TUGAS

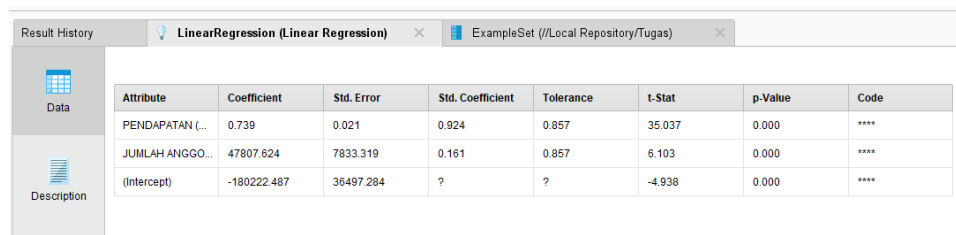
1. Excel

| | A | B | C | D | E |
|----|---------------|---------------------|-------------------------|--------------------|---|
| 1 | NO. RESPONDEN | PENDAPATAN (RUPIAH) | JUMLAH ANGGOTA KELUARGA | DAYA BELI (RUPIAH) | |
| 2 | 1 | 1.000.000 | 6 | 834.000 | |
| 3 | 2 | 1.400.000 | 7 | 1.200.000 | |
| 4 | 3 | 200.000 | 3 | 134.000 | |
| 5 | 4 | 1.400.000 | 6 | 1.167.000 | |
| 6 | 5 | 500.000 | 3 | 334.000 | |
| 7 | 6 | 1.700.000 | 5 | 1.360.000 | |
| 8 | 7 | 400.000 | 3 | 267.000 | |
| 9 | 8 | 1.900.000 | 5 | 1.520.000 | |
| 10 | 9 | 300.000 | 3 | 200.000 | |
| 11 | 10 | 500.000 | 4 | 375.000 | |
| 12 | 11 | 700.000 | 7 | 600.000 | |
| 13 | 12 | 1.900.000 | 3 | 1.267.000 | |
| 14 | 13 | 800.000 | 4 | 600.000 | |
| 15 | 14 | 1.500.000 | 4 | 1.125.000 | |
| 16 | 15 | 1.300.000 | 7 | 1.115.000 | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |

2. Proses Regresi Linier Sederhana

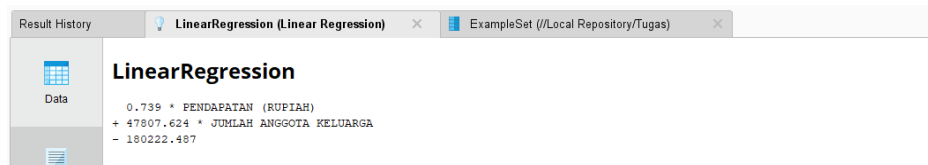


a. Table View



| Attribute | Coefficient | Std. Error | Std. Coefficient | Tolerance | t-Stat | p-Value | Code |
|-------------------|-------------|------------|------------------|-----------|--------|---------|------|
| PENDAPATAN (...) | 0.739 | 0.021 | 0.924 | 0.857 | 35.037 | 0.000 | **** |
| JUMLAH ANGGOTA... | 47807.624 | 7833.319 | 0.161 | 0.857 | 6.103 | 0.000 | **** |
| (Intercept) | -180222.487 | 36497.284 | ? | ? | -4.938 | 0.000 | **** |

b. Text View

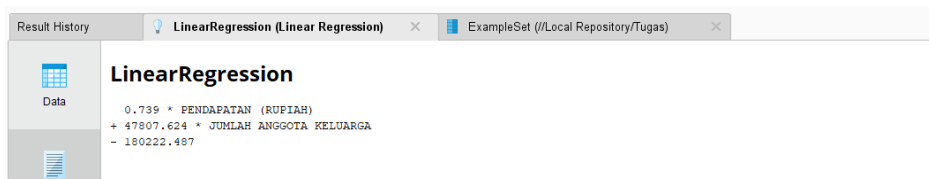


LinearRegression

0.739 * PENDAPATAN (RUPIAH)
+ 47807.624 * JUMLAH ANGGOTA KELUARGA
- 180222.487

3. Berdasarkan aturan statistik, variable x tidak mempengaruhi secara signifikan terhadap y karena nilai t-hitung > t-table

4. Model persamaan regresi linier sederhana yang terbentuk

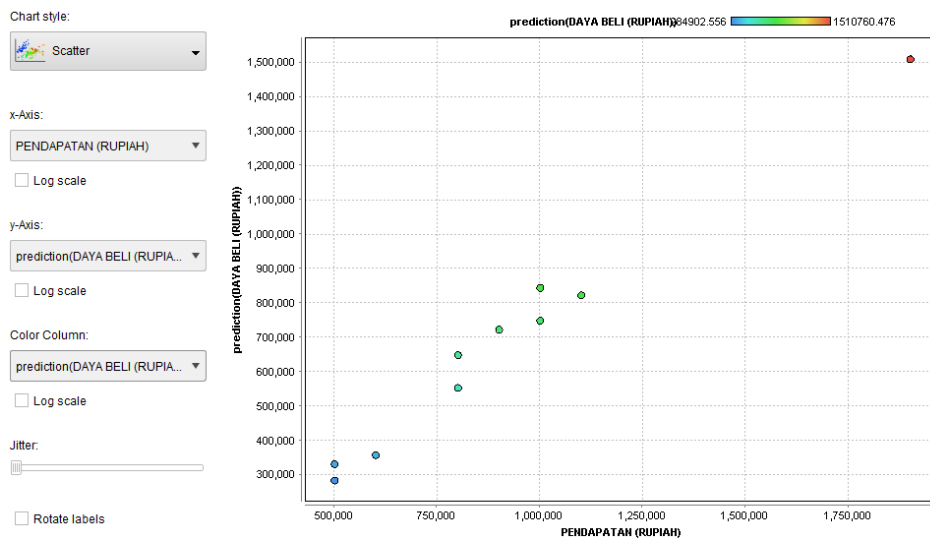


5. Data Testing

| | A | B | C | D | E | F |
|----|---------------|---------------------|-------------------------|-------------------------------|-------------------------------|---|
| 1 | NO. RESPONDEN | PENDAPATAN (RUPIAH) | JUMLAH ANGGOTA KELUARGA | Prediction(Daya Beli(Rupiah)) | Prediction(Daya Beli(Rupiah)) | |
| 2 | | | | Tabel | Model Regresi | |
| 3 | 1 | 900.000 | 5 | 723933,263 | 723915,633 | |
| 4 | 2 | 800.000 | 3 | 554416,056 | 554400,385 | |
| 5 | 3 | 500.000 | 2 | 284902,556 | 284892,761 | |
| 6 | 4 | 1.900.000 | 6 | 1510760,476 | 1510723,257 | |
| 7 | 5 | 600.000 | 2 | 358804,515 | 358792,761 | |
| 8 | 6 | 800.000 | 5 | 650031,304 | 650015,633 | |
| 9 | 7 | 1.000.000 | 6 | 845642,845 | 845623,257 | |
| 10 | 8 | 1.100.000 | 4 | 823929,557 | 823908,009 | |
| 11 | 9 | 1.000.000 | 4 | 750027,598 | 750008,009 | |
| 12 | 10 | 500.000 | 3 | 332710,179 | 332700,385 | |
| 13 | | | | | | |
| 14 | | | | | | |

6. Plot View

- a) x-Axis = Pendapatan (Rupiah),
y-Axis = Prediction (Daya Beli (Rupiah)),
Color Column = Prediction (Daya Beli (Rupiah))



- b) x-Axis = Jumlah Anggota Keluarga,
y-Axis = Prediction (Daya Beli (Rupiah)),
Color Column = Prediction (Daya Beli (Rupiah))

Chart style:



x-Axis:

JUMLAH ANGGOTA KELUAR...

☐ Log scale

y-Axis:

prediction(DAYA BELI (RUPIAH)

☐ Log scale

Color Column:

prediction(DAYA BELI (RUPIAH)

☐ Log scale

Jitter:



☐ Rotate labels

