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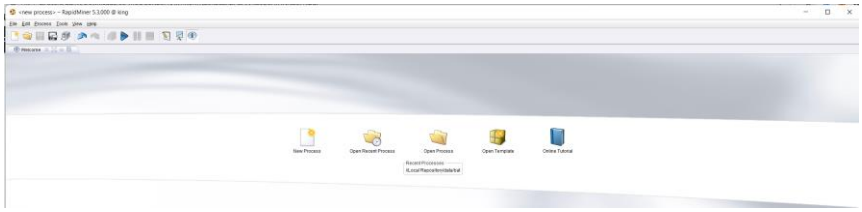
NIM: 2106028

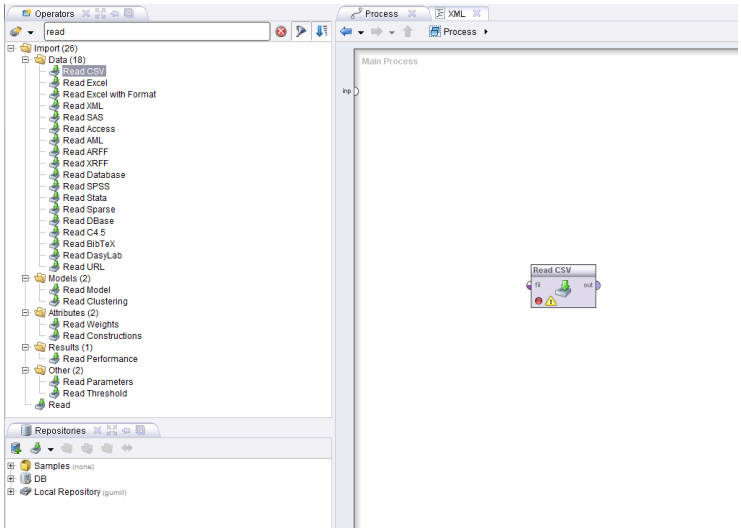
Kelas: A

A.Tahapan RapidMiner Linear Regression

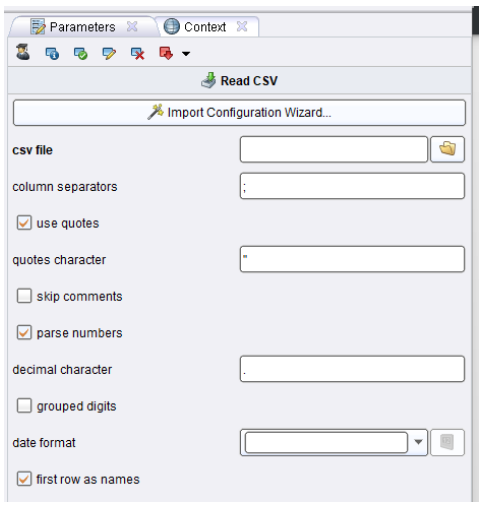
1. Buka RapidMiner Studio dan buatlah sebuah proses baru. Pilih New Process.



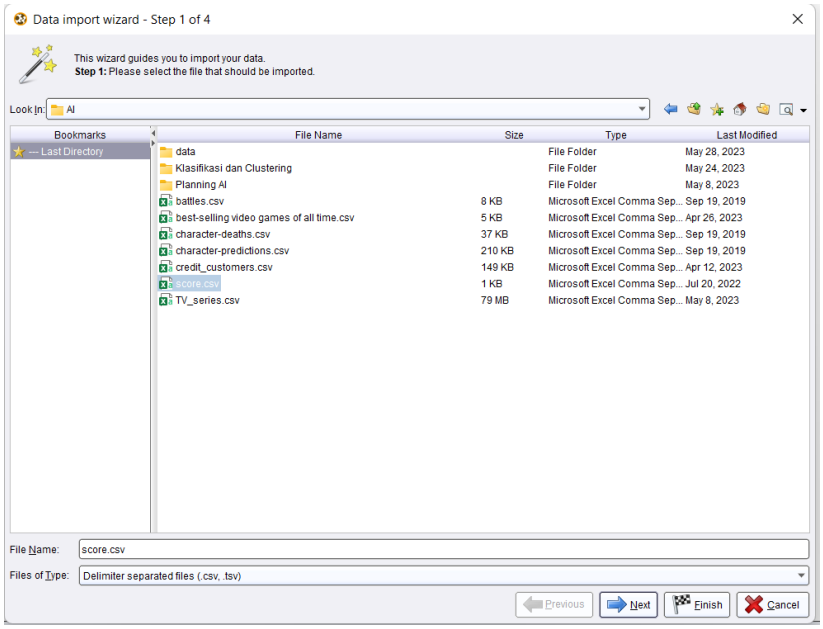
2.Tambahkan Operator “Read CSV” dan masukkan kedalam bagian Process.



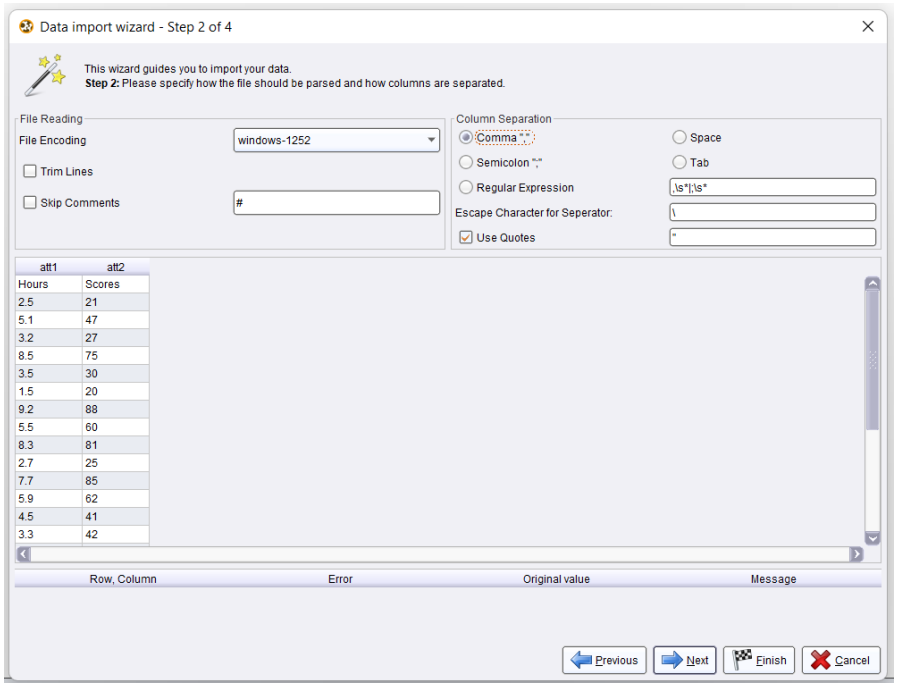
3. Klik Operator “Read CSV”, kemudian klik tombol “Import Configuration Wizard” pada bagian Parameter read csv tersebut.



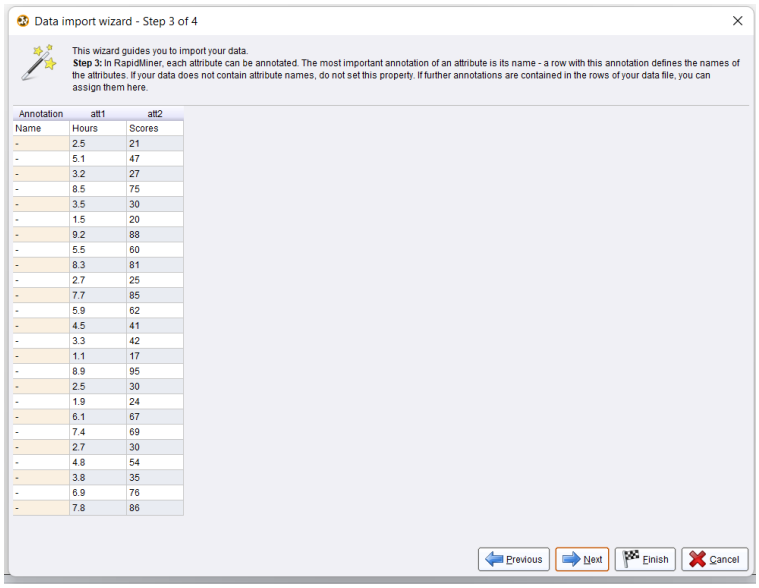
4. Pilih dataset yang hendak digunakan kemudian klik next.



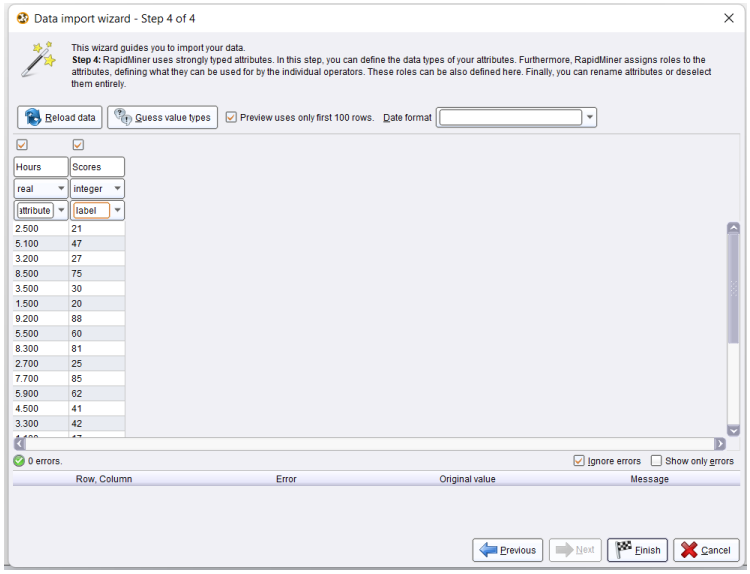
5. Tentukan comma sebagai column separator nya, kemudian klik next



6.klik next

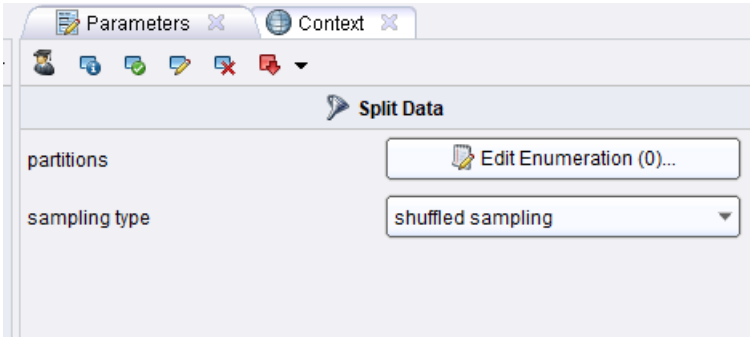


7. Atur Kolom “Score” dan ganti attribute nya menjadi “label”. Setelah itu klik finish

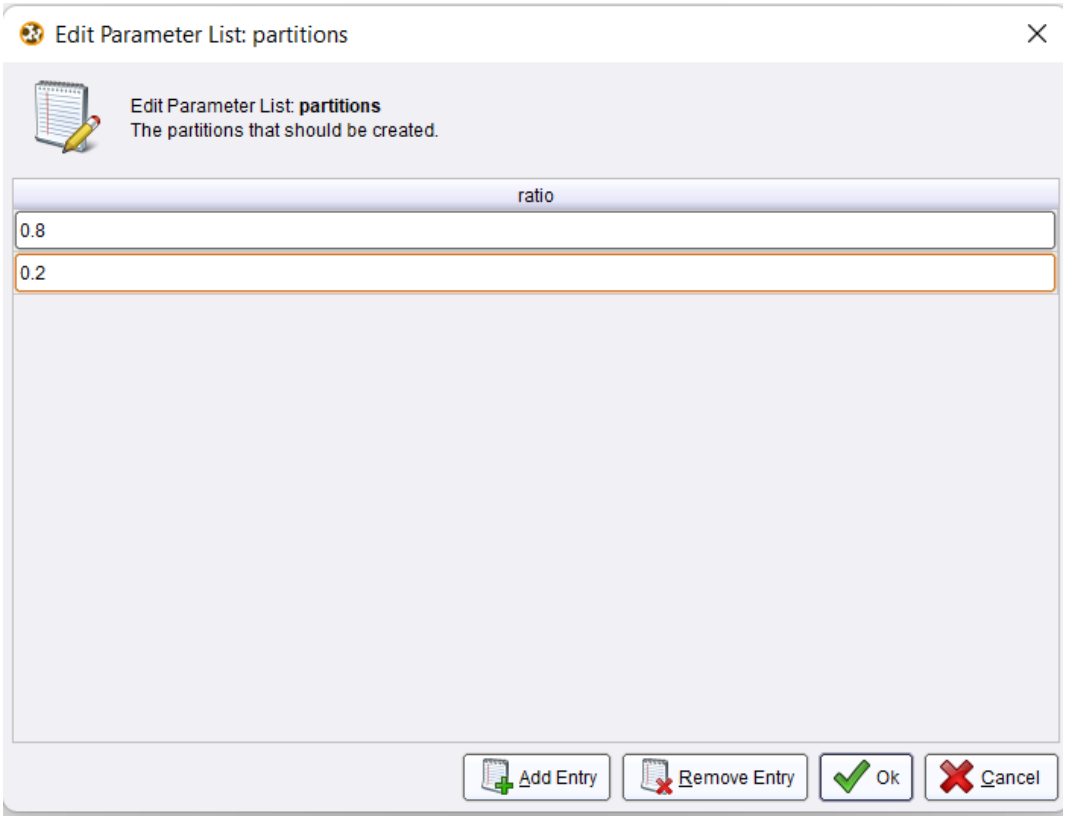


8. . Masukkan Operator “Split Data” dan hubungkan dengan Operator “Read CSV”

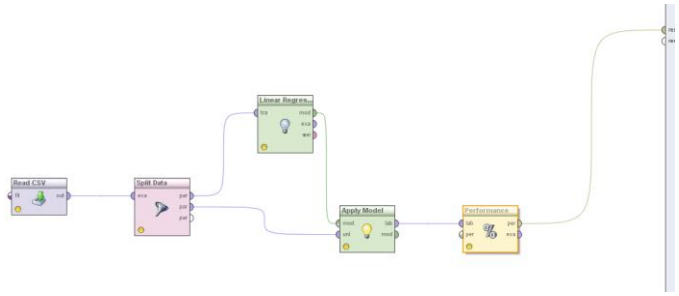
9. Klik Operator “Split Data” kemudian klik “Edit Enumeration” pada bagian Parameter split data tersebut.



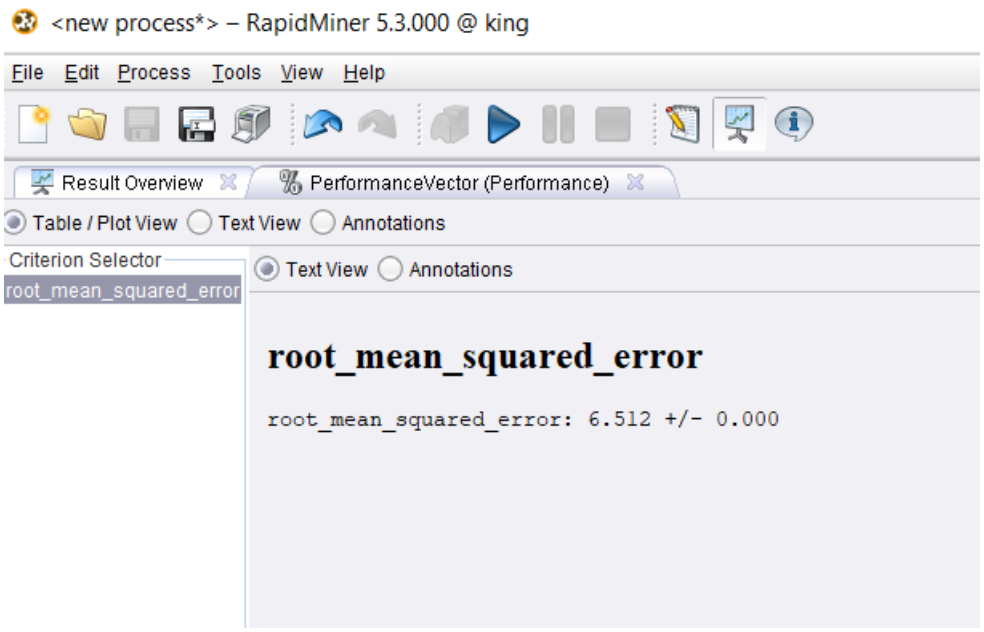
10. Split data menjadi 80% untuk training (0.8) dan 20% untuk testing (0.2). Jika sudah klik OK.



11. Masukkan Operator “Linear Regression”, “Apply Model”, dan “Performance(Regression)” kemudian hubungkan seperti gambar dibawah ini:

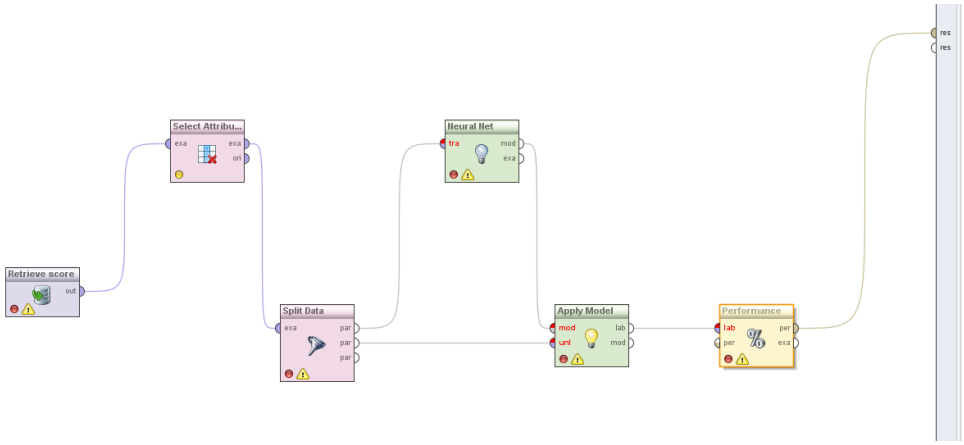


12. Run atau jalankan untuk melihat hasilnya.

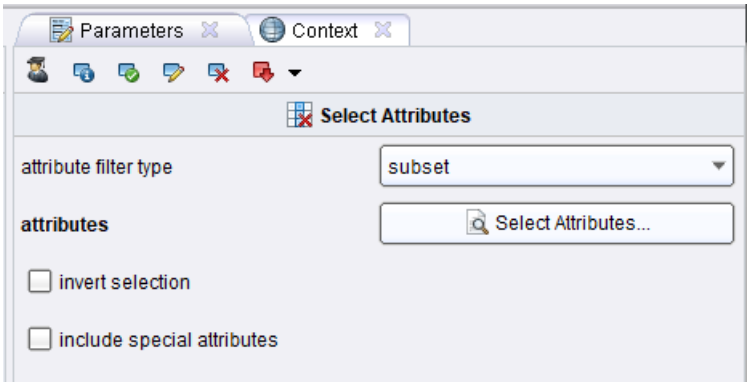


B.Tahapan RapidMiner Neutral Network

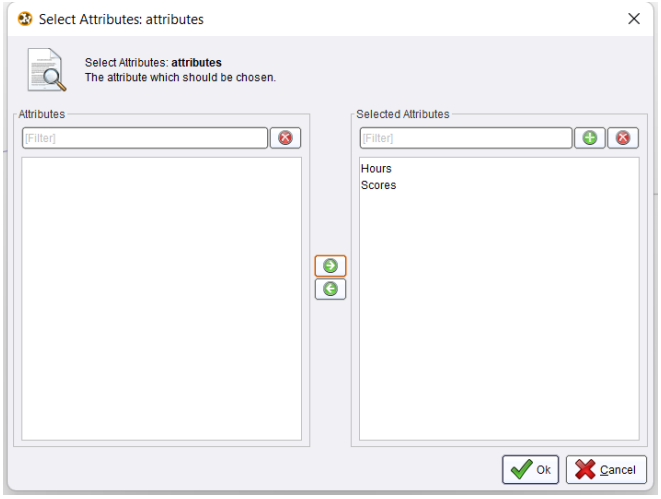
1.Masukkan dataset score dari Repository > Samples > data, lalu masukkan juga Operator “Select Attributes”, “Split Data”, “Neural Net”, “Apply Model”, dan “Performance (Classification). Kemudian hubungkan seperti gambar dibawah ini:



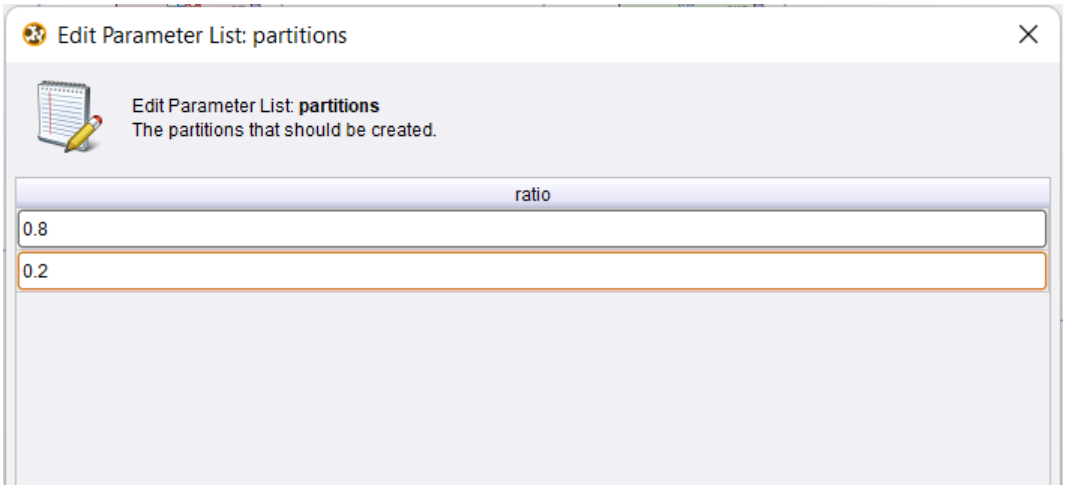
2. Klik Operator “Select Attributes”, kemudian pada Parameter select attributes tersebut terdapat “attribute filter type” ubah lah menjadi “subset” dan lalu juga klik dibawahnya yaitu “Select Attributes”.



3. Tentukan atribut mana saja yang akan digunakan (disini kita akan mengecualikan atribut id). Kemudian klik OK



4. Klik Operator “Split Data” kemudian klik “Edit Enumeration” pada bagian Parameter split data tersebut. Lalu ubah Split data menjadi 80% untuk training (0.8) dan 20% untuk testing (0.2). Jika sudah klik OK



5. Klik Operator “Neural Net” kemudian atur “Learning Rate” pada Parameter neural net tersebut menjadi 0.01