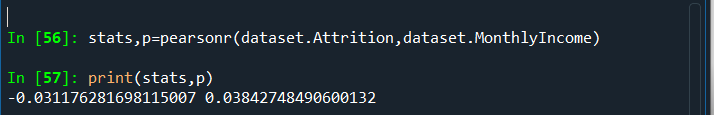
Finding Correlation

**TEST 1:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and MonthlyIncome

Ha🡪 There is significant correlation between Attrition and MonthlyIncome



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=-0.03 there is low negative correlation between Attrition and MonthlyIncome

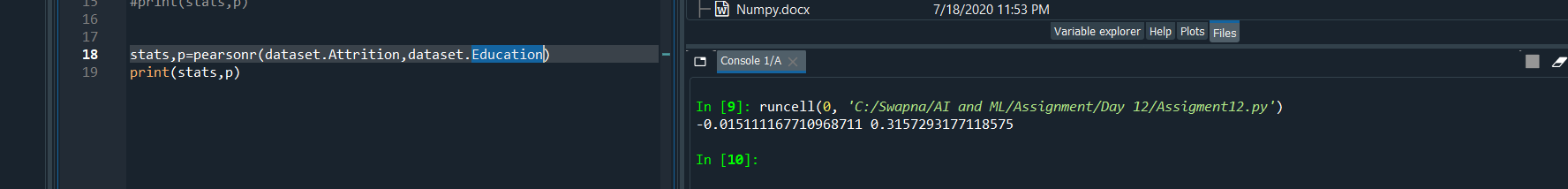
There is significant correlation between Attrition and MonthlyIncome

**TEST2:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and Education

Ha🡪 There is significant correlation between Attrition and Education



Here the **p value is grater than 0.05** so **Null Hypothesis** is **accepted** and **Alternative Hypothesis is rejected**

R=-0.15 there is low negative correlation between Attrition and Educatio

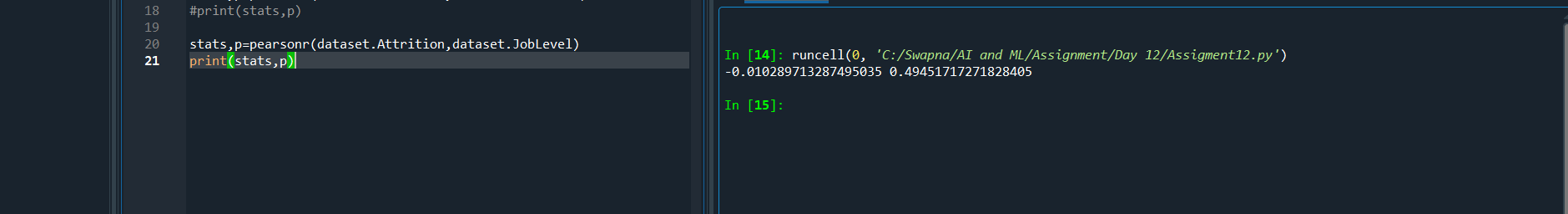
There is no significant correlation between Attrition and Education

**TEST3:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and JobLevel

Ha🡪 There is significant correlation between Attrition and JobLevel



Here the **p value is grater than 0.05** so **Null Hypothesis** is **accepted** and **Alternative Hypothesis is rejected**

R=-0.010 there is low negative correlation between Attrition and JobLevel

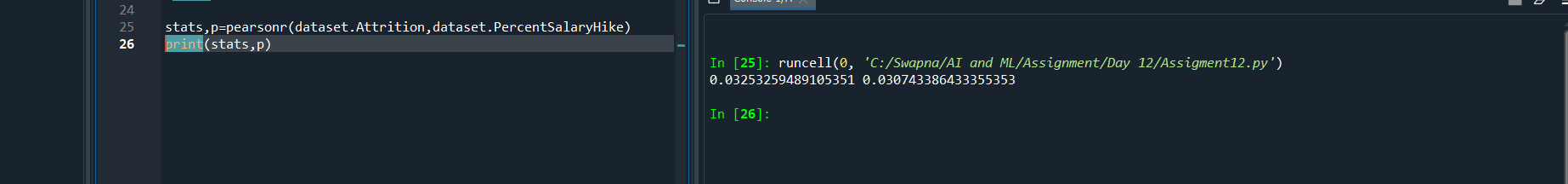
There is no significant correlation between Attrition and JobLevel

**TEST4:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and PercentSalaryHike

Ha🡪 There is significant correlation between Attrition and PercentSalaryHike



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=0.0325 there is low positive correlation between Attrition and PercentSalaryHike

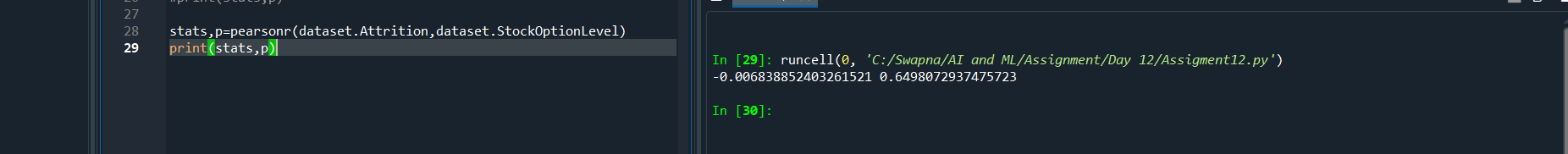
There is significant correlation between Attrition and PercentSalaryHike

**TEST5:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and StockOptionLevel

Ha🡪 There is significant correlation between Attrition and StockOptionLevel



Here the **p value is grater than 0.05** so **Null Hypothesis** is **accepted** and **Alternative Hypothesis is rejected**

R=-0.0068 there is low negative correlation between Attrition and StockOptionLevel

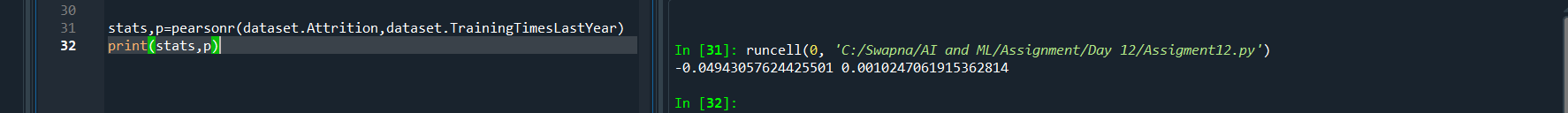
There is no significant correlation between Attrition and StockOptionLevel

**TEST6:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and TrainingTimesLastYear

Ha🡪 There is significant correlation between Attrition and TrainingTimesLastYear



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=-0.0494 there is low negative correlation between Attrition and TrainingTimesLastYear

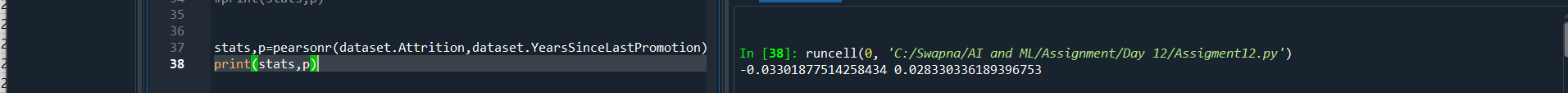
There is significant correlation between Attrition and TrainingTimesLastYear

**TEST6:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and YearsSinceLastPromotion

Ha🡪 There is significant correlation between Attrition and YearsSinceLastPromotion



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=-0.033 there is low negative correlation between Attrition and YearsSinceLastPromotion

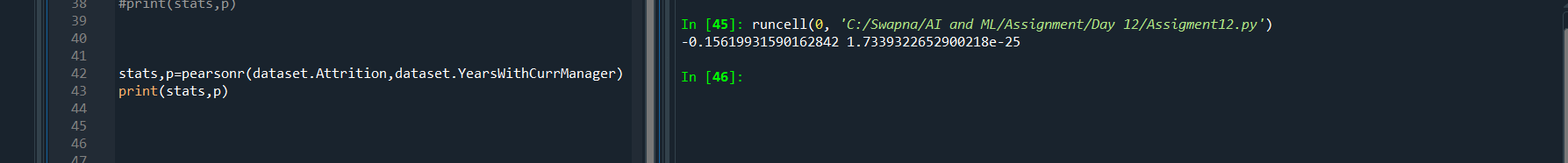
There is significant correlation between Attrition and YearsSinceLastPromotion

**TEST7:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and YearsWithCurrManager

Ha🡪 There is significant correlation between Attrition and YearsWithCurrManager



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=-0.156 there is low negative correlation between Attrition and YearsWithCurrManager

There is significant correlation between Attrition and YearsWithCurrManager

**TEST 8:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and TotalWorkingYears

Ha🡪 There is significant correlation between Attrition and TotalWorkingYears



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=-0.169 there is low negative correlation between Attrition and TotalWorkingYears

There is significant correlation between Attrition and TotalWorkingYears

**TEST 9:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and NumCompaniesWorked

Ha🡪 There is significant correlation between Attrition and NumCompaniesWorked



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=0.042 there is low positive correlation between Attrition and NumCompaniesWorked

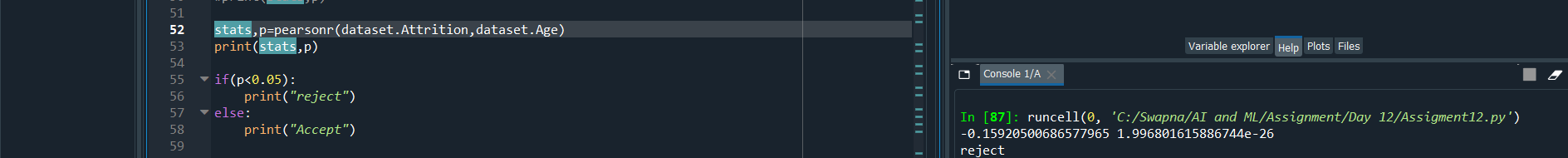
There is no significant correlation between Attrition and NumCompaniesWorked

**TEST 10:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and Age

Ha🡪 There is significant correlation between Attrition and Age



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepted**

R=-0.159 there is low -ve correlation between Attrition and Age

There is significant correlation between Attrition and Age

**TEST11:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and DistanceFromHome

Ha🡪 There is significant correlation between Attrition and DistanceFromHome



Here the **p value is greater than 0.05** so **Null Hypothesis** is **accepted** and **Alternative Hypothesis is rejected**

R=-0.009 there is low –ve correlation between Attrition and DistanceFromHome

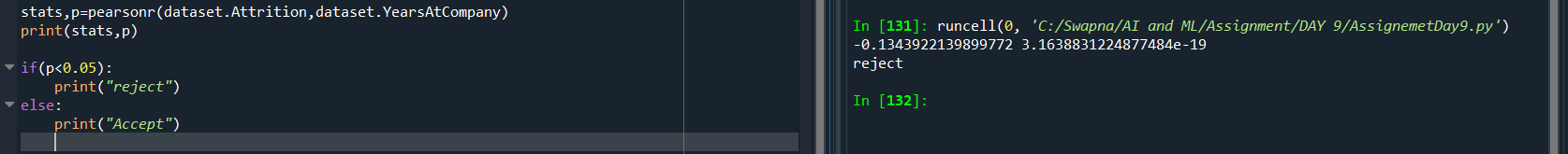
There is no significant correlation between Attrition and DistanceFromHome

**TEST12:**

Hypothesis Formulation

H0🡪There is no significant correlation between Attrition and YearsAtCompany

Ha🡪 There is significant correlation between Attrition and YearsAtCompany



Here the **p value is less than 0.05** so **Null Hypothesis** is **rejected** and **Alternative Hypothesis is accepte**

R=-0.134 there is low –ve correlation between Attrition and YearsAtCompany

There is significant correlation between Attrition and YearsAtCompany