```
0.123 (+/-0.214) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'poly'}
-0.142 (+/-0.397) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'rbf'}
0.123 (+/-0.214) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}
-0.142 (+/-0.396) for {'degree': 2, 'epsilon': 1, 'kernel': 'rbf'}
0.124 (+/-0.215) for {'degree': 2, 'epsilon': 1, 'kernel': 'poly'}

tempo decorrido:8.326992273330688
Lag 8
Rodando Modelo
Criando Previsões
Calculando Pearson
r2:(0.6420392022715313, 4.0887569642707354e-10)
Support vector ratio: 0.125
Best parameters set found on development set:

{'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}

Grid scores on development set:

-0.140 (+/-0.414) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'rbf'}
-0.040 (+/-0.256) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'rbf'}
-0.040 (+/-0.256) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'rbf'}
-0.040 (+/-0.256) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'rbf'}
-0.040 (+/-0.256) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 1, 'epsilon': 1, 'kernel': 'rbf'}
-0.039 (+/-0.256) for {'degree': 1, 'epsilon': 1, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'rbf'}
0.135 (+/-0.220) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'rbf'}
0.135 (+/-0.220) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'rbf'}
0.135 (+/-0.220) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'rbf'}
0.135 (+/-0.220) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}
-0.140 (+/-0.414) for {'degree': 2, 'epsilon': 1, 'kernel': 'rbf'}
0.135 (+/-0.220) for {'degree': 2, 'epsilon': 1, 'kernel': 'poly'}

tempo decorrido:9.227995157241821
Lag 9
Rodando Modelo
Criando Previsões
Calculando Pearson
r2:(0.5498973565800451, 3.2207418664349386e-07)
Support vector ratio: 0.111
Best parameters set found on development set:

{'degree': 2, 'epsilon': 1, 'kernel': 'poly'}

Grid scores on development set:

-0.137 (+/-0.399) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'rbf'}
-0.044 (+/-0.295) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'rbf'}
-0.044 (+/-0.295) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'rbf'}
-0.044 (+/-0.295) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'rbf'}
-0.044 (+/-0.295) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 1, 'epsilon': 1, 'kernel': 'rbf'}
-0.044 (+/-0.295) for {'degree': 1, 'epsilon': 1, 'kernel': 'poly'}
```

```
-0.137 (+/-0.399) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'rbf'}
0.134 (+/-0.205) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'rbf'}
0.134 (+/-0.205) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'rbf'}
0.134 (+/-0.205) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'rbf'}
0.135 (+/-0.204) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}
-0.137 (+/-0.399) for {'degree': 2, 'epsilon': 1, 'kernel': 'rbf'}
0.135 (+/-0.203) for {'degree': 2, 'epsilon': 1, 'kernel': 'poly'}

tempo decorrido:10.227246522903442
Lag 10
Rodando Modelo
Criando Previsões
Calculando Pearson
r2:(0.5270575472643014, 1.4049700619716082e-06)
Support vector ratio: 0.100
Best parameters set found on development set:

{'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}

Grid scores on development set:

-0.138 (+/-0.396) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'rbf'}
-0.041 (+/-0.312) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'poly'}
-0.138 (+/-0.396) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'rbf'}
-0.041 (+/-0.312) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'poly'}
-0.138 (+/-0.396) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'rbf'}
-0.041 (+/-0.312) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'poly'}
-0.138 (+/-0.397) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'rbf'}
-0.041 (+/-0.312) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'poly'}
-0.138 (+/-0.398) for {'degree': 1, 'epsilon': 1, 'kernel': 'rbf'}
-0.040 (+/-0.312) for {'degree': 1, 'epsilon': 1, 'kernel': 'poly'}
-0.138 (+/-0.396) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'rbf'}
0.119 (+/-0.203) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}
-0.138 (+/-0.396) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'rbf'}
0.119 (+/-0.203) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'poly'}
-0.138 (+/-0.396) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'rbf'}
0.119 (+/-0.204) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'poly'}
-0.138 (+/-0.397) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'rbf'}
0.119 (+/-0.204) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}
-0.138 (+/-0.398) for {'degree': 2, 'epsilon': 1, 'kernel': 'rbf'}
0.119 (+/-0.205) for {'degree': 2, 'epsilon': 1, 'kernel': 'poly'}

tempo decorrido:11.149158239364624
Lag 11
Rodando Modelo
Criando Previsões
Calculando Pearson
r2:(0.5200077370357211, 2.4171121633210703e-06)
Support vector ratio: 0.091
Best parameters set found on development set:

{'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}

Grid scores on development set:

-0.143 (+/-0.361) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'rbf'}
-0.059 (+/-0.284) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'poly'}
-0.143 (+/-0.361) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'rbf'}
-0.059 (+/-0.284) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'poly'}
-0.143 (+/-0.361) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'rbf'}
```

```
-0.059 (+/-0.284) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'poly'}
-0.143 (+/-0.360) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'rbf'}
-0.059 (+/-0.284) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'poly'}
-0.142 (+/-0.360) for {'degree': 1, 'epsilon': 1, 'kernel': 'rbf'}
-0.059 (+/-0.284) for {'degree': 1, 'epsilon': 1, 'kernel': 'poly'}
-0.143 (+/-0.361) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'rbf'}
0.074 (+/-0.205) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}
-0.143 (+/-0.361) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'rbf'}
0.074 (+/-0.205) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'poly'}
-0.143 (+/-0.361) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'rbf'}
0.074 (+/-0.205) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'poly'}
-0.143 (+/-0.360) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'rbf'}
0.074 (+/-0.205) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}
-0.142 (+/-0.360) for {'degree': 2, 'epsilon': 1, 'kernel': 'rbf'}
0.074 (+/-0.204) for {'degree': 2, 'epsilon': 1, 'kernel': 'poly'}


tempo decorrido:12.198503732681274
Lag 12
Rodando Modelo
Criando Previsões
Calculando Pearson
r2:(0.48871462902608054, 1.327109683218178e-05)
Support vector ratio: 0.083
Best parameters set found on development set:

{'degree': 2, 'epsilon': 1, 'kernel': 'poly'}

Grid scores on development set:

-0.133 (+/-0.327) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'rbf'}
-0.064 (+/-0.274) for {'degree': 1, 'epsilon': 0.001, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'rbf'}
-0.064 (+/-0.274) for {'degree': 1, 'epsilon': 0.01, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'rbf'}
-0.064 (+/-0.274) for {'degree': 1, 'epsilon': 0.1, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'rbf'}
-0.064 (+/-0.274) for {'degree': 1, 'epsilon': 0.5, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 1, 'epsilon': 1, 'kernel': 'rbf'}
-0.065 (+/-0.274) for {'degree': 1, 'epsilon': 1, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'rbf'}
0.042 (+/-0.240) for {'degree': 2, 'epsilon': 0.001, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'rbf'}
0.042 (+/-0.240) for {'degree': 2, 'epsilon': 0.01, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'rbf'}
0.042 (+/-0.240) for {'degree': 2, 'epsilon': 0.1, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'rbf'}
0.042 (+/-0.239) for {'degree': 2, 'epsilon': 0.5, 'kernel': 'poly'}
-0.133 (+/-0.327) for {'degree': 2, 'epsilon': 1, 'kernel': 'rbf'}
0.043 (+/-0.238) for {'degree': 2, 'epsilon': 1, 'kernel': 'poly'}


tempo decorrido:13.092092275619507
tempo decorrido total:13.092092275619507

In [3]:        'D:/GIT/Machine_Learning/SVM/svm.py'        ='D:/GIT/Machine_Learning/SVM'
  File "D:\GIT\Machine_Learning\SVM\svm.py", line 62
    dict(C=Cs),

SyntaxError: invalid syntax


In [4]:        'D:/GIT/Machine_Learning/SVM/svm.py'        ='D:/GIT/Machine_Learning/SVM'


In [5]:        'D:/GIT/Machine_Learning/SVM/svm.py'        ='D:/GIT/Machine_Learning/SVM'
```

```
In [6]:
Lag 1
Rodando Modelo
Traceback (most recent call last):

  File "<ipython-input-6-0fa25fb50cae>", line 1, in <module>
    RodarModelos()

  File "D:\GIT\Machine_Learning\SVM\svm.py", line 99, in RodarModelos
    RodarSVM(X_train, y_train, X_test, y_test)

  File "D:\GIT\Machine_Learning\SVM\svm.py", line 67, in RodarSVM
    regressor_linear.fit(X_train, y_train)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\utils\validation.py", line 73,
in inner_f
    return f(**kwargs)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\model_selection\_search.py",
line 736, in fit
    self._run_search(evaluate_candidates)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\model_selection\_search.py",
line 1188, in _run_search
    evaluate_candidates(ParameterGrid(self.param_grid))

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\model_selection\_search.py",
line 708, in evaluate_candidates
    out = parallel(delayed(_fit_and_score)(clone(base_estimator),

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\parallel.py", line 1032, in
__call__
    while self.dispatch_one_batch(iterator):

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\parallel.py", line 847, in
dispatch_one_batch
    self._dispatch(tasks)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\parallel.py", line 765, in
_dispatch
    job = self._backend.apply_async(batch, callback=cb)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\_parallel_backends.py", line
208, in apply_async
    result = ImmediateResult(func)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\_parallel_backends.py", line
572, in __init__
    self.results = batch()

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\parallel.py", line 252, in
__call__
    return [func(*args, **kwargs)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\joblib\parallel.py", line 252, in
<listcomp>
    return [func(*args, **kwargs)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\model_selection
\_validation.py", line 531, in _fit_and_score
    estimator.fit(X_train, y_train, **fit_params)
```

```
  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\svm\_base.py", line 217, in
fit
    fit(X, y, sample_weight, solver_type, kernel, random_seed=seed)

  File "C:\Users\pamsb\Anaconda3\lib\site-packages\sklearn\svm\_base.py", line 268, in
_dense_fit
    self._probB, self.fit_status_ = libsvm.fit(

KeyboardInterrupt


In [7]:          'D:/GIT/Machine_Learning/SVM/svm.py'        ='D:/GIT/Machine_Learning/SVM'

In [8]:
Lag 1
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:   19.1s finished
Criando Previsões
Calculando Pearson
r2:(0.7164777955021628, 2.623904523429256e-14)
Support vector ratio: 1.000
Best parameters set found on development set:

{'C': 4.0009999999999994, 'kernel': 'linear'}

Grid scores on development set:

0.392 (+/-0.102) for {'C': 0.001, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 1.001, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 2.001, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 3.0009999999999994, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 4.0009999999999994, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 5.0009999999999994, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 6.0009999999999994, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 7.0009999999999994, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 8.001, 'kernel': 'linear'}
0.394 (+/-0.098) for {'C': 9.000999999999998, 'kernel': 'linear'}

tempo decorrido:19.89677095413208
Lag 2
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:   57.0s finished
Criando Previsões
Calculando Pearson
r2:(0.4567978225434866, 1.60522916996338e-05)
Support vector ratio: 0.500
Best parameters set found on development set:

{'C': 4.0009999999999994, 'kernel': 'linear'}

Grid scores on development set:

0.079 (+/-0.216) for {'C': 0.001, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 1.001, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 2.001, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 3.0009999999999994, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 4.0009999999999994, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 5.0009999999999994, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 6.0009999999999994, 'kernel': 'linear'}
```

```
0.081 (+/-0.219) for {'C': 7.0009999999999994, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 8.001, 'kernel': 'linear'}
0.081 (+/-0.219) for {'C': 9.000999999999998, 'kernel': 'linear'}


tempo decorrido:78.81518387794495
Lag 3
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:   39.5s finished
Criando Previsões
Calculando Pearson
r2:(0.39748160779792996, 0.00023846390024804626)
Support vector ratio: 0.333
Best parameters set found on development set:


{'C': 8.001, 'kernel': 'linear'}


Grid scores on development set:


-0.043 (+/-0.310) for {'C': 0.001, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 1.001, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 2.001, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 3.0009999999999994, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 4.000999999999994, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 5.000999999999994, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 6.0009999999999994, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 7.0009999999999994, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 8.001, 'kernel': 'linear'}
-0.043 (+/-0.310) for {'C': 9.000999999999998, 'kernel': 'linear'}


tempo decorrido:121.11256551742554
Lag 4
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:  2.0min finished
Criando Previsões
Calculando Pearson
r2:(0.43964944558035784, 4.498042568013359e-05)
Support vector ratio: 0.250
Best parameters set found on development set:


{'C': 0.001, 'kernel': 'linear'}


Grid scores on development set:


-0.132 (+/-0.534) for {'C': 0.001, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 1.001, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 2.001, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 3.0009999999999994, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 4.000999999999994, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 5.000999999999994, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 6.0009999999999994, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 7.0009999999999994, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 8.001, 'kernel': 'linear'}
-0.132 (+/-0.533) for {'C': 9.000999999999998, 'kernel': 'linear'}


tempo decorrido:242.27135372161865
Lag 5
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
```

```
Criando Previsões
Calculando Pearson
r2:(0.4846057742839149, 6.0242661426981934e-06)
Support vector ratio: 0.200
Best parameters set found on development set:

{'C': 0.001, 'kernel': 'linear'}

Grid scores on development set:

-0.066 (+/-0.421) for {'C': 0.001, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 1.001, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 2.001, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 3.0009999999999994, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 4.0009999999999994, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 5.0009999999999994, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 6.0009999999999994, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 7.0009999999999994, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 8.001, 'kernel': 'linear'}
-0.069 (+/-0.433) for {'C': 9.000999999999998, 'kernel': 'linear'}

tempo decorrido:300.60039019584656
Lag 6
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:   58.0s finished
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:  3.5min finished
Criando Previsões
Calculando Pearson
r2:(0.6629148701628014, 3.792908096894539e-11)
Support vector ratio: 0.167
Best parameters set found on development set:

{'C': 0.001, 'kernel': 'linear'}

Grid scores on development set:

0.197 (+/-0.250) for {'C': 0.001, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 1.001, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 2.001, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 3.0009999999999994, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 4.0009999999999994, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 5.0009999999999994, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 6.0009999999999994, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 7.0009999999999994, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 8.001, 'kernel': 'linear'}
0.186 (+/-0.366) for {'C': 9.000999999999998, 'kernel': 'linear'}

tempo decorrido:510.2420039176941
Lag 7
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed:  8.6min finished
Criando Previsões
Calculando Pearson
r2:(0.7295599334022798, 5.251991590309144e-14)
Support vector ratio: 0.143
Best parameters set found on development set:

{'C': 9.000999999999998, 'kernel': 'linear'}
```

```
Grid scores on development set:

0.269 (+/-0.288) for {'C': 0.001, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 1.001, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 2.001, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 3.0009999999999994, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 4.0009999999999994, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 5.0009999999999994, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 6.0009999999999994, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 7.0009999999999994, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 8.001, 'kernel': 'linear'}
0.270 (+/-0.287) for {'C': 9.000999999999998, 'kernel': 'linear'}


tempo decorrido:1074.5384256839752
Lag 8
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed: 12.0min finished
Criando Previsões
Calculando Pearson
r2:(0.7238934954525368, 1.4854428981839515e-13)
Support vector ratio: 0.125
Best parameters set found on development set:

{'C': 2.001, 'kernel': 'linear'}


Grid scores on development set:

0.296 (+/-0.284) for {'C': 0.001, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 1.001, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 2.001, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 3.0009999999999994, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 4.0009999999999994, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 5.0009999999999994, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 6.0009999999999994, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 7.0009999999999994, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 8.001, 'kernel': 'linear'}
0.296 (+/-0.284) for {'C': 9.000999999999998, 'kernel': 'linear'}


tempo decorrido:1803.7201700210571
Lag 9
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
Criando Previsões
Calculando Pearson
r2:(0.6261328602853837, 1.883357760804262e-09)
Support vector ratio: 0.111
Best parameters set found on development set:

{'C': 0.001, 'kernel': 'linear'}


Grid scores on development set:

0.283 (+/-0.307) for {'C': 0.001, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 1.001, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 2.001, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 3.0009999999999994, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 4.0009999999999994, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 5.0009999999999994, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 6.0009999999999994, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 7.0009999999999994, 'kernel': 'linear'}
```

```
0.281 (+/-0.309) for {'C': 8.001, 'kernel': 'linear'}
0.281 (+/-0.309) for {'C': 9.000999999999998, 'kernel': 'linear'}

tempo decorrido:3222.17484998703
Lag 10
[Parallel(n_jobs=1)]: Done  50 out of  50 | elapsed: 23.6min finished
Rodando Modelo
Fitting 5 folds for each of 10 candidates, totalling 50 fits
[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.
```