

- 5

Calculation for 12 block confirmation times

```
In [15]: arr_avg12 = []
for i in range(0,result.shape[0]):
    time = result["time_in_seconds"].iloc[i]
    blocks = result["blockss"].iloc[i]
    arr_avg12.append(12"time/blocks)
    result["time_per_12blocks"] = arr_avg12
In [16]: result["time_per_12blocks"].describe()
                                201.000000
207.112296
104.158858
Out[16]: count
                 mean
std
                 min
                                 102.857143
                                144.000000
168.000000
                 25%
                 50%
                 75%
                                 228.000000
                 max
                                564.000000
                 Name: time_per_12blocks, dtype: float64
In [18]: graph12 = result["time_per_12blocks"].hist(bins=80)
   graph12.set_xlabel("Confirmation time Interval for 12 blocks (in sec)")
   graph12.set_ylabel("Number of Transactions")
Out[18]: Text(0, 0.5, 'Number of Transactions')
                  Number of Transactions
                      10
                                     200 300 400 500
Confirmation time Interval for 12 blocks (in sec)
  In [ ]:
```