```
Timer unit: 1e-06 s
Total time: 13.5002 s
File: retrieval.py
Function: read_txs_file at line 286

Line #          % Time  Line Contents
==============================================================
286                          @profile
287                          def read_txs_file():
301            0.0      if os.path.isfile(temporary_transactions):
302            0.0          with io.FileIO(temporary_transactions, "r") as file:
303            0.0              file.seek(0)
304            0.1              txs = file.read() # operations on txs are the most expensive ones
306            0.1          list_txs = txs.split("\n")
307            0.0          list_txs.pop()
317            0.0          for el in list_txs:
318            0.0              epoch_list.append(list_txs[i + 1])
319            0.0              list_txs.remove(list_txs[i + 1])
327            0.0          for t in list_txs:
328            75.5              list_txs[i] = ast.literal_eval(t) # parse json transactions
335            0.0          for i in range(len(epoch_list)):
342                                       temp_input, temp_output, temp_fee_list, temp_size_list,
temp_approval_time_list, temp_hash_tx = \
343            4.2                  calculate_transactions_fee(list_txs[i], int(epoch_list[i]))
352            0.0          f_percentile = []
353            0.1          for f_in, f_ou in zip(input, output):
354            0.1              if float(f_in)!= 0:
355            0.2                  percentile = 100 - (float(f_ou * 100) / float(f_in))
356            0.1                    else:
358            0.1              f_percentile.append(percentile)
389            0.1          for tx in input:
390            0.1              if i < indexes_list[counter]:
391            0.1                  b_s.append(block_size[counter])
392            0.1                  b_ct.append(block_creation_time[counter])
393            0.1                  b_h.append(block_height[counter])
394            0.1                  b_ep.append(block_epoch[counter])
395            0.1                  b_t.append(block_txs[counter])
396            0.1                  b_hash.append(block_hash[counter])
397            0.1                  b_rel.append(block_relayedby[counter])
398            0.1                  i += 1
410            0.0          if os.path.isfile(dataframe):
413            6.3              old_df = pd.DataFrame.from_csv(dataframe, sep='\t') # get data frame
416            0.0              new_df = pd.DataFrame.from_items(
417            0.0                  [('t_ha', hash_tx), ('t_in', input), ('t_ou', output), ('t_f', fee_list), ('t_q',
size_list),
418            0.0                   ('t_%', f_percentile), ('t_l', approval_time_list),
419            0.0                   ('Q', b_s), ('B_T', b_ct), ('B_he', b_h), ('B_ep', b_ep), ('B_t', b_t),
420            0.1                   ('B_h', b_hash), ('B_mi', b_rel)])   423         1        46862  46862.0
0.3         new_df = pd.concat([old_df, new_df])
433            8.9          new_df.to_csv(dataframe, sep='\t')
```