```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_28452\2257899131.py in <module>
      1 import logging
----> 2 bn.fit_parameters(data)
      3 sampled_data = bn.sample(1000) # sample 1000 data points

~\anaconda3\lib\site-packages\bamt\networks\base.py in fit_parameters(self,
data, dropna)
    463          for node in self.nodes:
    464              future = pool.submit(worker, node)
--> 465              self.distributions[node.name] = future.result()
    466
    467      def get_info(self, as_df: bool = True) ->
Optional[pd.DataFrame]:

~\anaconda3\lib\concurrent\futures\_base.py in result(self, timeout)
    444                  raise CancelledError()
    445              elif self._state == FINISHED:
--> 446                  return self.__get_result()
    447              else:
    448                  raise TimeoutError()

~\anaconda3\lib\concurrent\futures\_base.py in __get_result(self)
    389          if self._exception:
    390              try:
--> 391                  raise self._exception
    392              finally:
    393                  # Break a reference cycle with the exception in
self._exception

~\anaconda3\lib\concurrent\futures\thread.py in run(self)
     56
     57          try:
---> 58              result = self.fn(*self.args, **self.kwargs)
     59          except BaseException as exc:
     60              self.future.set_exception(exc)

~\anaconda3\lib\site-packages\bamt\networks\base.py in worker(node)
    458
    459          def worker(node):
--> 460              return node.fit_parameters(data)
    461
    462          pool = ThreadPoolExecutor(3)

~\anaconda3\lib\site-
packages\bamt\nodes\conditional_mixture_gaussian_node.py in
fit_parameters(self, data)
     68                      # 'LRTS')#int((component(new_data, [node],
'aic') +
     69                      # component(new_data, [node], 'bic')) / 2)
---> 70                      n_comp = int((component(new_data,
     71                                                   [self.name],
     72                                                   'aic') +
component(new_data,

~\anaconda3\lib\site-packages\bamt\utils\MathUtils.py in component(data,
columns, method)
     92          for i in range(1, max_comp + 1, 1):
     93              gm1 = GaussianMixture(n_components=i, random_state=0)
---> 94              gm1.fit(x)
```

```
    95              aic1 = gm1.aic(x)
    96              if aic1 < lowest_aic:

~\anaconda3\lib\site-packages\sklearn\mixture\_base.py in fit(self, X, y)
    191         self
    192         """
--> 193         self.fit_predict(X, y)
    194         return self
    195

~\anaconda3\lib\site-packages\sklearn\mixture\_base.py in fit_predict(self,
X, y)
    236
    237             if do_init:
--> 238                 self._initialize_parameters(X, random_state)
    239
    240             lower_bound = (-np.infty if do_init else
self.lower_bound_)

~\anaconda3\lib\site-packages\sklearn\mixture\_base.py in
_initialize_parameters(self, X, random_state)
    145         if self.init_params == 'kmeans':
    146             resp = np.zeros((n_samples, self.n_components))
--> 147             label = cluster.KMeans(n_clusters=self.n_components,
n_init=1,
    148
random_state=random_state).fit(X).labels_
    149             resp[np.arange(n_samples), label] = 1

~\anaconda3\lib\site-packages\sklearn\cluster\_kmeans.py in fit(self, X, y,
sample_weight)
    1021
    1022             # run a k-means once
 -> 1023             labels, inertia, centers, n_iter_ = kmeans_single(
    1024                 X, sample_weight, centers_init,
max_iter=self.max_iter,
    1025                 verbose=self.verbose, tol=self._tol,

~\anaconda3\lib\site-packages\sklearn\cluster\_kmeans.py in
_kmeans_single_lloyd(X, sample_weight, centers_init, max_iter, verbose,
x_squared_norms, tol, n_threads)
    503     # Threadpoolctl context to limit the number of threads in
second level of
    504     # nested parallelism (i.e. BLAS) to avoid oversubsciption.
--> 505     with threadpool_limits(limits=1, user_api="blas"):
    506         for i in range(max_iter):
    507             lloyd_iter(X, sample_weight, x_squared_norms, centers,
centers_new,

~\anaconda3\lib\site-packages\threadpoolctl.py in __init__(self, limits,
user_api)
    169             self._check_params(limits, user_api)
    170
--> 171         self._original_info = self._set_threadpool_limits()
    172
    173     def __enter__(self):

~\anaconda3\lib\site-packages\threadpoolctl.py in
_set_threadpool_limits(self)
    266             return None
    267
```

```
--> 268            modules = _ThreadpoolInfo(prefixes=self._prefixes,
    269                                      user_api=self._user_api)
    270            for module in modules:

~\anaconda3\lib\site-packages\threadpoolctl.py in __init__(self, user_api,
prefixes, modules)
    338
    339                self.modules = []
--> 340                self._load_modules()
    341                self._warn_if_incompatible_openmp()
    342            else:

~\anaconda3\lib\site-packages\threadpoolctl.py in _load_modules(self)
    371                self._find_modules_with_dyld()
    372            elif sys.platform == "win32":
--> 373                self._find_modules_with_enum_process_module_ex()
    374            else:
    375                self._find_modules_with_dl_iterate_phdr()

~\anaconda3\lib\site-packages\threadpoolctl.py in
_find_modules_with_enum_process_module_ex(self)
    483
    484                    # Store the module if it is supported and selected
--> 485                    self._make_module_from_path(filepath)
    486            finally:
    487                kernel_32.CloseHandle(h_process)

~\anaconda3\lib\site-packages\threadpoolctl.py in
_make_module_from_path(self, filepath)
    513            if prefix in self.prefixes or user_api in
self.user_api:
    514                module_class = globals()[module_class]
--> 515                module = module_class(filepath, prefix, user_api,
internal_api)
    516                self.modules.append(module)
    517

~\anaconda3\lib\site-packages\threadpoolctl.py in __init__(self, filepath,
prefix, user_api, internal_api)
    604            self.internal_api = internal_api
    605            self._dynlib = ctypes.CDLL(filepath, mode=_RTLD_NOLOAD)
--> 606            self.version = self.get_version()
    607            self.num_threads = self.get_num_threads()
    608            self._get_extra_info()

~\anaconda3\lib\site-packages\threadpoolctl.py in get_version(self)
    644                            lambda: None)
    645            get_config.restype = ctypes.c_char_p
--> 646            config = get_config().split()
    647            if config[0] == b"OpenBLAS":
    648                return config[1].decode("utf-8")

AttributeError: 'NoneType' object has no attribute 'split'
```