api_timing_report

January 29, 2021

[34]:
```
import pandas as pd
import matplotlib
import matplotlib.pyplot as plt
import seaborn as sns
sns.set()
matplotlib.rcParams['figure.dpi'] = 100
```

[35]:
```
df = pd.read_csv('timing.csv')
```

[ ]:
```

```

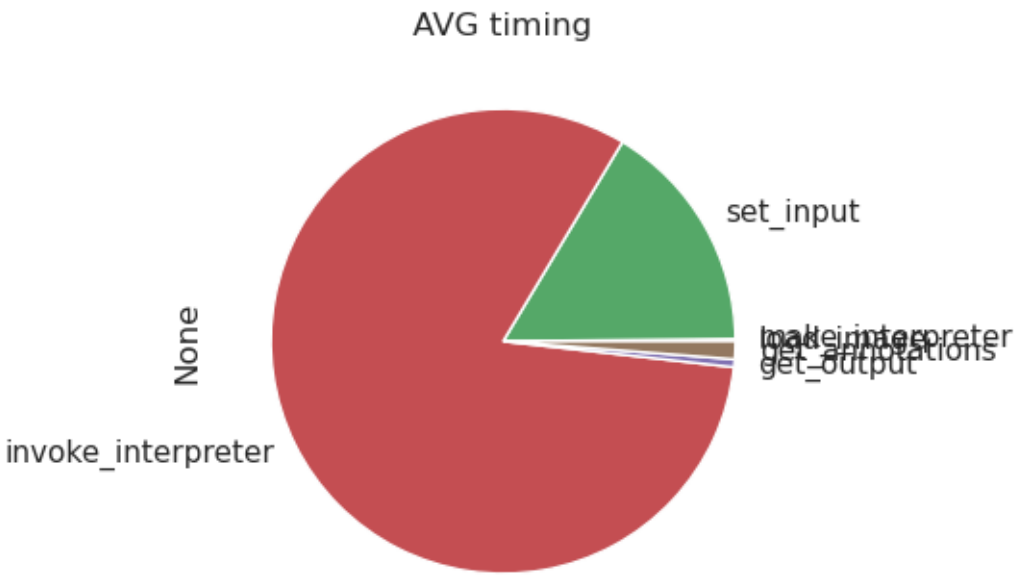
[36]:
```
df.tail()
```

[36]:

	load_image	make_interpreter	set_input	invoke_interpreter	get_output	get_annotations
1157	0.154457	0.042480	27.422654	142.991156	0.404249	2.874851
1158	0.108624	0.022112	26.071008	153.976212	0.518906	1.692249
1159	0.571718	0.042435	38.686574	173.621930	1.179634	3.543319
1160	3.809659	0.023860	52.871054	300.689550	36.929065	35.158560
1161	2.324243	1.175339	65.211536	412.809615	36.722964	29.184582

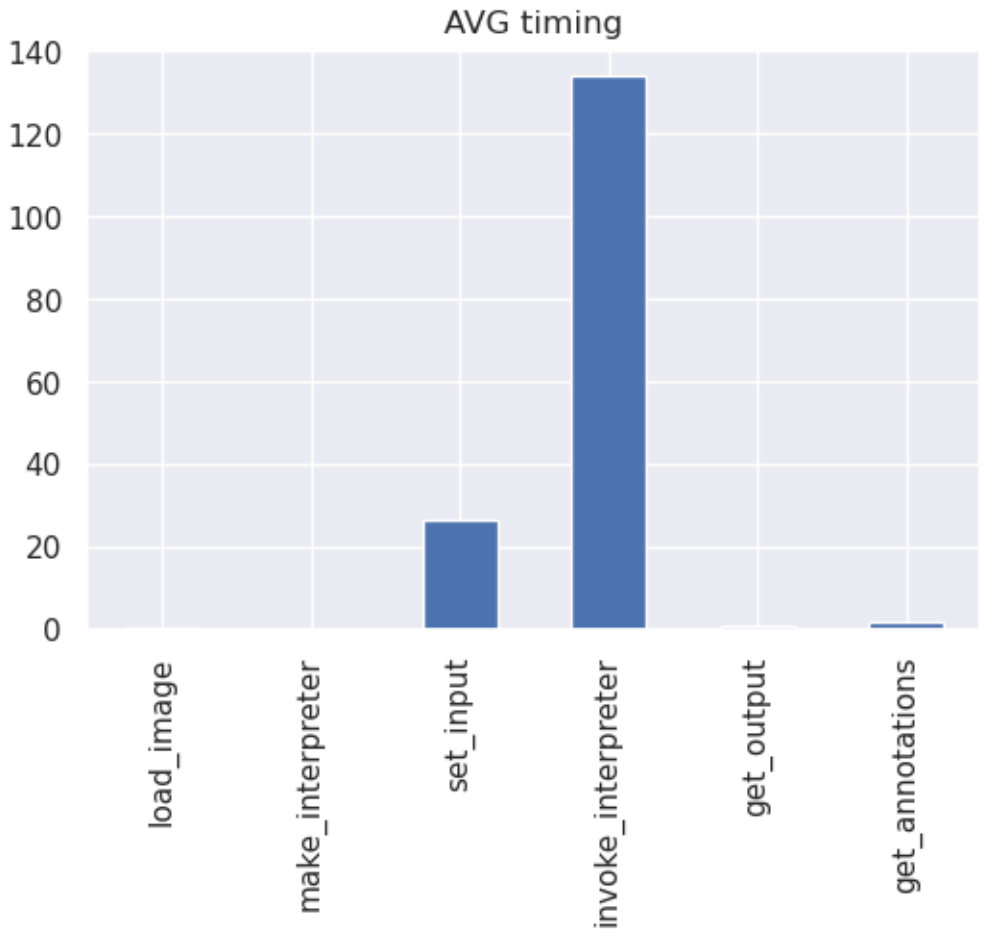
[37]:
```
plt.figure()
df.mean(axis=0).plot(kind='pie', title='AVG timing')
```

[37]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f957815f690>
```



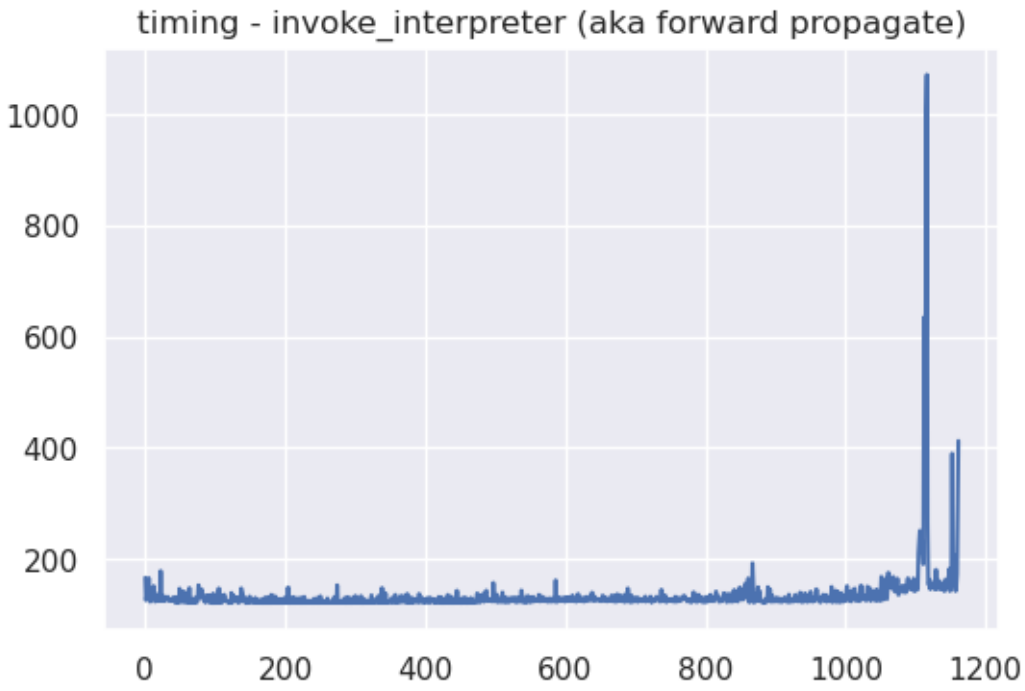
[38]:
```
df.mean(axis=0).plot(kind='bar', title='AVG timing')
```

[38]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f95780c29d0>
```



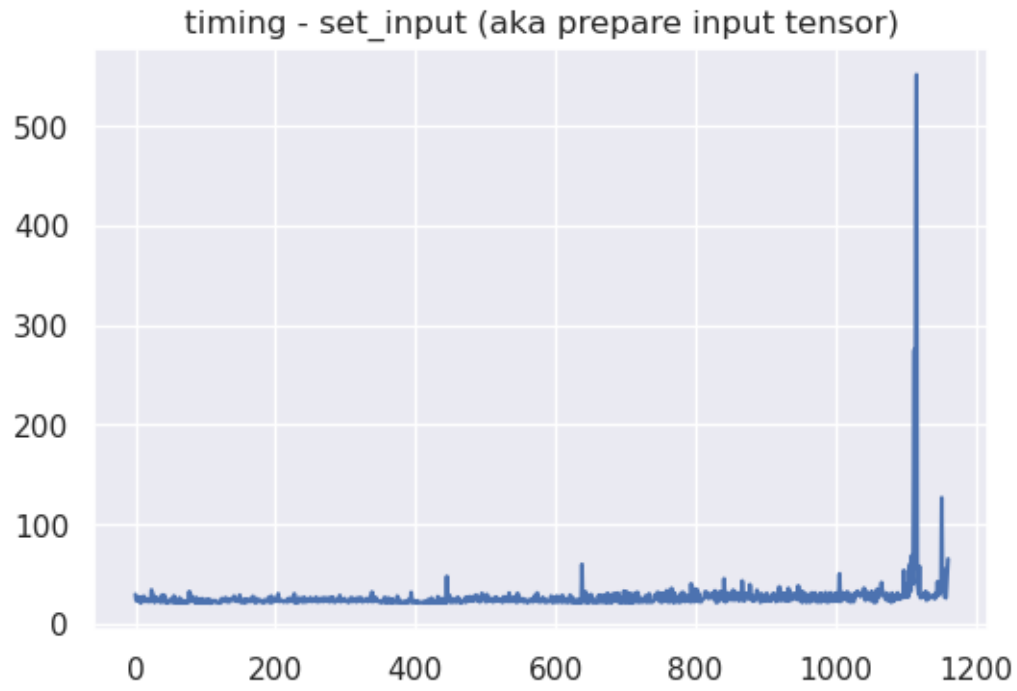
[39]:
```
df['invoke_interpreter'].plot(title='timing - invoke_interpreter (aka forward propagate)')
```

[39]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f957802c710>
```



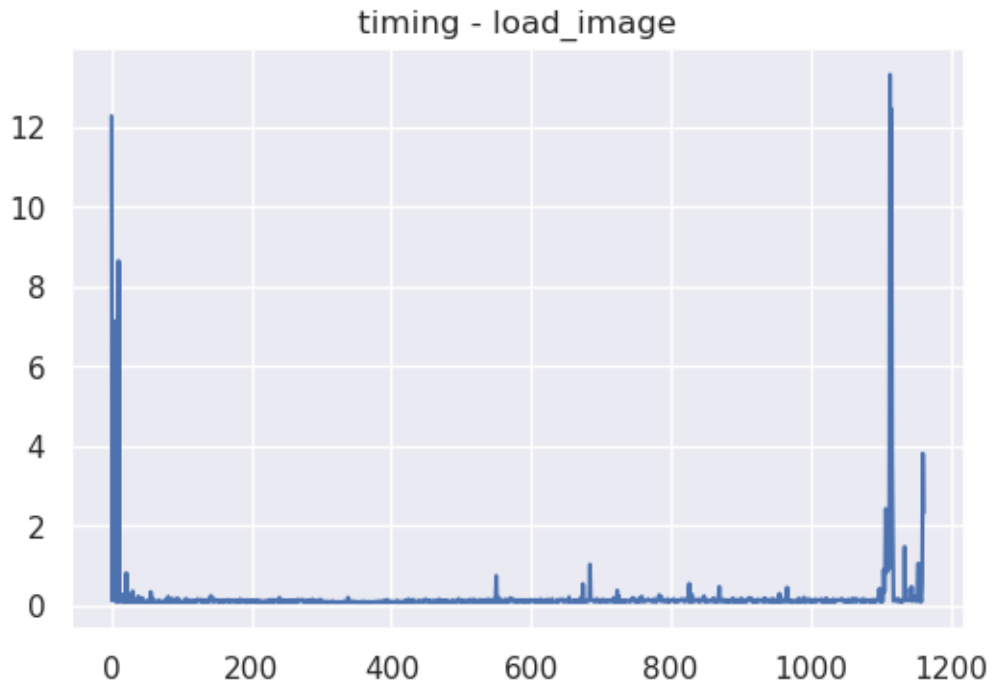
[40]:
```
df['set_input'].plot(title='timing - set_input (aka prepare input tensor)')
```

[40]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f9577fb20d0>
```



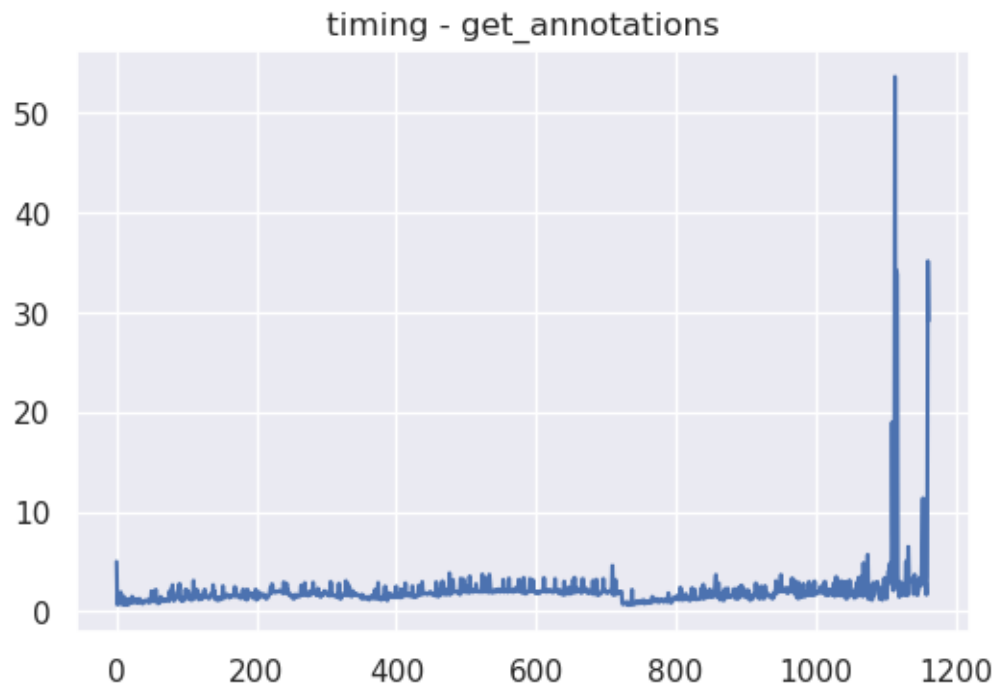
[41]:
```
df['load_image'].plot(title='timing - load_image')
```

[41]: <matplotlib.axes._subplots.AxesSubplot at 0x7f957803dd90>



[42]:
```
df['get_annotations'].plot(title='timing - get_annotations')
```

[42]: <matplotlib.axes._subplots.AxesSubplot at 0x7f9577ef1d50>

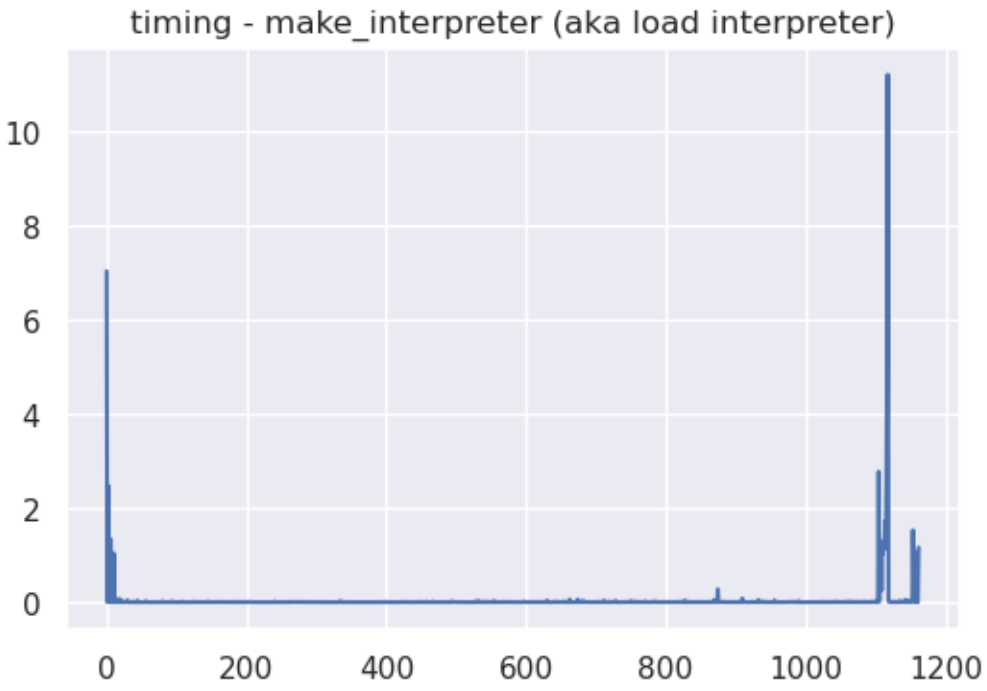


[43]:
```
df['get_output'].plot(title='timing - get_output (aka get detetions)')
```

[43]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f9577edaa90>
```

[44]:
```
df['make_interpreter'].plot(title='timing - make_interpreter (aka load interpreter)')
```

[44]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f9577e58e10>
```



[ ]:
```

```