Untitled1

February 18, 2025

```python
[2]: !pip install findspark
     import findspark
     findspark.init()
     from pyspark.sql import SparkSession
     from pyspark import SparkContext, SparkConf


     conf = SparkConf().set('spark.ui.port', '4050')
     sc = SparkContext(conf=conf)
     spark = SparkSession.builder.master('local[*]').getOrCreate()
```

```
Collecting findspark
  Downloading findspark-2.0.1-py2.py3-none-any.whl.metadata (352 bytes)
Downloading findspark-2.0.1-py2.py3-none-any.whl (4.4 kB)
Installing collected packages: findspark
Successfully installed findspark-2.0.1
```

```python
[3]: !wget https://bin.equinox.io/c/4VmDzA7iaHb/ngrok-stable-linux-amd64.zip
     !unzip ngrok-stable-linux-amd64.zip
     get_ipython().system_raw('./ngrok http 4050 &')
```

```
--2025-02-09 04:31:23--  https://bin.equinox.io/c/4VmDzA7iaHb/ngrok-stable-
linux-amd64.zip
Resolving bin.equinox.io (bin.equinox.io)… 35.71.179.82, 13.248.244.96,
75.2.60.68, …
Connecting to bin.equinox.io (bin.equinox.io)|35.71.179.82|:443… connected.
HTTP request sent, awaiting response… 200 OK
Length: 13921656 (13M) [application/octet-stream]
Saving to: 'ngrok-stable-linux-amd64.zip'

ngrok-stable-linux- 100%[===================>]  13.28M  --.-KB/s    in 0.1s

2025-02-09 04:31:23 (123 MB/s) - 'ngrok-stable-linux-amd64.zip' saved
[13921656/13921656]

Archive:  ngrok-stable-linux-amd64.zip
  inflating: ngrok
```

```python
[7]: !curl -s http://localhost:4040/api/tunnels
```

```
[8]: from google.colab import output
     output.serve_kernel_port_as_window(4040, path='/jobs/index.html')
```

Warning: This function may stop working due to changes in browser security.

Try `serve_kernel_port_as_iframe` instead.

<IPython.core.display.Javascript object>