

Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (Intel)] on win32

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```
>>> import psse34
```

```
>>> import gicdata
```

```
>>> help(gicdata.merge_data_excel)
```

Help on function merge\_data\_excel in module gicdata:

```
merge_data_excel(*xlfiles, **kwds)
```

Create a new GIC data Excel file by merging GIC data from more than one input GIC data Excel files.

This function will be useful in combining GIC data provided by many TOs and/or GOs. It does

following checks to arrive at valid and unique data for combined data set.

- Check for duplicate/multiple data items. When data item is specified in multiple files, the item found in first input file is used and such progress message is provided.
- Any data item specified in multiple file, data values are checked for difference and such progress message is provided.
- If same substation location is used in multiple files but substation numbers are different, substation number from first input file is used.
- Any bus that appears in multiple substations and if these substation locations are different, the bus is associated with substaion from first input file.
- Substation numbers associated with different locations and in different files are preserved as long as they are unique.

```
xlfile = merge_data_excel(xlfile1, xlfile2, ..., outexcel='merged_data_excel', order=False, showexcel=False, prgfile=None, dbgout=False)
```

Inputs:

xlfiles = One or more GIC data Excel files separated by comma

outexcel = Excel file name to which GIC data is saved (no default)

Returns

Saved Excel file name

```
>>>
```

```
>>>
```