

Stata での表の LaTeX 出力の方法

1. データの読み込みと表の作成

```
. sysuse nlsw88.dta
```

(NLSW, 1988 extract)

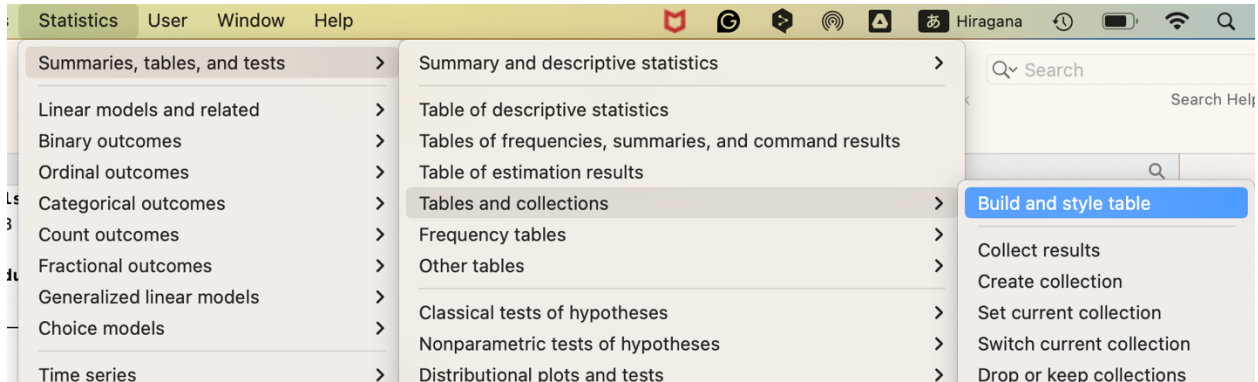
```
. table industry collgrad
```

```
. table industry collgrad
```

	College graduate		Total
	Not college grad	College grad	
Industry			
Ag/Forestry/Fisheries	14	3	17
Mining	4		4
Construction	26	3	29
Manufacturing	334	33	367
Transport/Comm/Utility	79	11	90
Wholesale/Retail trade	295	38	333
Finance/Ins/Real estate	164	28	192
Business/Repair svc	69	17	86
Personal services	94	3	97
Entertainment/Rec svc	12	5	17
Professional services	479	345	824
Public administration	133	43	176
Total	1,703	529	2,232

2. テーブル・ビルダーの起動

Statistics > Summaries, tables, and tests > Tables and collections > Build and style table



3. テーブル・ビルダーで縦線を消す。

The screenshot shows the 'Tables Builder' interface. The 'Rows' section contains 'industry' and 'result'. The 'Columns' section contains 'collgrad'. The 'Preview' section shows a table with the following data:

Industry	College graduate		Total
	Not college grad	College grad	
Ag/Forestry/Fisheries	14	3	17
Mining	4		4
Construction	26	3	29
Manufacturing	334	33	367
Transport/Comm/Utility	79	11	90
Wholesale/Retail trade	295	38	333
Finance/Ins/Real estate	164	28	192
Business/Repair svc	69	17	86
Personal services	94	3	97
Entertainment/Recreation	12	5	17

collect style cell - Cell appearance styles

Main **Borders** Diagonals Fonts Shading Margins Alignments Formats

- One style for all sides
 Separate style for each side

Top border

Width: Pattern: Default Color: Default

Right border

Width: Pattern: nil Color: Default

Bottom border

Width: Pattern: Default Color: Default

Left border

Width: Pattern: Default Color: Default



Submit

Cancel

OK

4. タイトルをつける

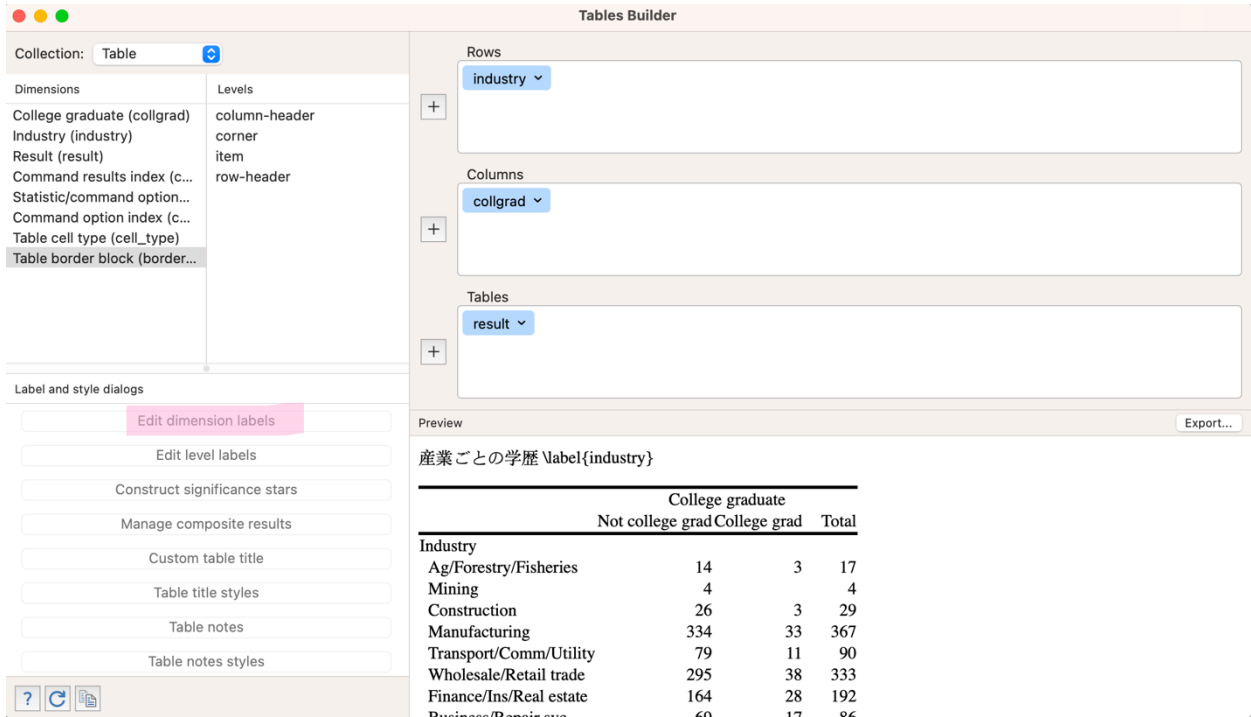
The screenshot shows the 'Tables Builder' window. On the left, there are two panes: 'Dimensions' and 'Levels'. The 'Dimensions' pane lists 'College graduate (collgrad)', 'Industry (industry)', 'Result (result)', and 'Table border block (border...)'. The 'Levels' pane lists 'column-header', 'corner', 'item', and 'row-header'. Below these panes is a 'Label and style dialogs' section with buttons for 'Edit dimension labels', 'Edit level labels', 'Construct significance stars', 'Manage composite results', 'Custom table title' (highlighted in pink), 'Table title styles', 'Table notes', and 'Table notes styles'. The main area shows a table configuration with 'Rows' set to 'industry', 'Columns' set to 'collgrad', and 'Tables' set to 'result'. A 'Preview' section at the bottom shows a table with the following data:

Industry	College graduate		Total
	Not college grad	College grad	
Ag/Forestry/Fisheries	14	3	17
Mining	4		4
Construction	26	3	29
Manufacturing	334	33	367
Transport/Comm/Utility	79	11	90
Wholesale/Retail trade	295	38	333
Finance/Ins/Real estate	164	28	192
Business/Repair svc	69	17	86
Personal services	94	3	97
Entertainment/Recreation	12	5	17

「産業ごとの学歴 $\text{\label{industry}}$ 」というように、LaTeX で参照できるように、 $\text{\label{}}$ をつけておく。

The screenshot shows a dialog box titled 'collect title - Custom table title'. It has a 'Collection:' dropdown menu set to 'Table'. Below it is an 'Add custom title:' text input field containing the text '産業ごとの学歴 $\text{\label{industry}}$ '. There is a checkbox labeled 'Clear current custom title' which is currently unchecked. At the bottom, there are three buttons: 'Submit', 'Cancel', and 'OK'.

5. 表のラベルを変えてみる。



Tables Builder

Collection: Table

Dimensions

- College graduate (collgrad)
- Industry (industry)
- Result (result)
- Command results index (c...)
- Statistic/command option...
- Command option index (c...)
- Table cell type (cell_type)
- Table border block (border...

Levels

- column-header
- corner
- item
- row-header

Rows

- industry

Columns

- collgrad

Tables

- result

Label and style dialogs

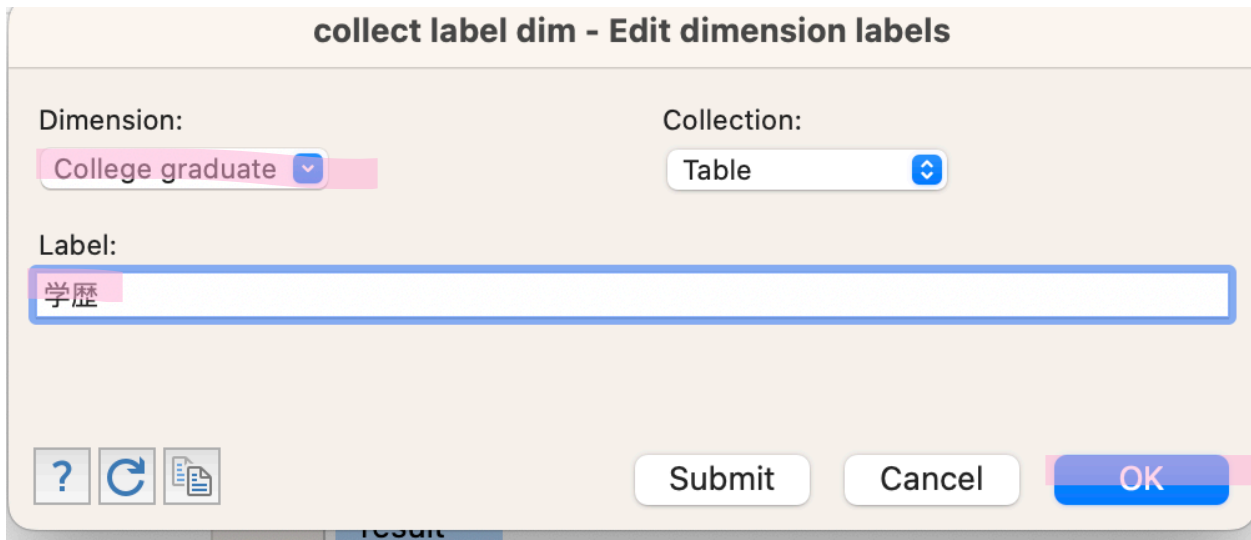
- Edit dimension labels
- Edit level labels
- Construct significance stars
- Manage composite results
- Custom table title
- Table title styles
- Table notes
- Table notes styles

Preview

産業ごとの学歴 \label{industry}

Industry	College graduate		Total
	Not college grad	College grad	
Ag/Forestry/Fisheries	14	3	17
Mining	4		4
Construction	26	3	29
Manufacturing	334	33	367
Transport/Comm/Utility	79	11	90
Wholesale/Retail trade	295	38	333
Finance/Ins/Real estate	164	28	192
Business/Professional services	60	17	77

変数名の表示変更



collect label dim - Edit dimension labels

Dimension: College graduate

Collection: Table

Label: 学歴

Submit Cancel OK

6. 変数の値のラベルの変更

Tables Builder

Collection: Table

Dimensions: 学歴 (collgrad), Industry (industry), Result (result), Command results index (c...), Statistic/command option..., Command option index (c...), Table cell type (cell_type), Table border block (border...)

Levels: column-header, corner, item, row-header

Rows: industry

Columns: collgrad

Tables: result

Label and style dialogs: Edit dimension labels, Edit level labels, Construct significance stars, Manage composite results, Custom table title, Table title styles, Table notes, Table notes styles

Preview: 産業ごとの学歴 \label{industry}

Industry	学歴		Total
	Not college grad	College grad	
Ag/Forestry/Fisheries	14	3	17
Mining	4		4
Construction	26	3	29
Manufacturing	334	33	367
Transport/Comm/Utility	79	11	90
Wholesale/Retail trade	295	38	333
Finance/Ins/Real estate	164	28	192
Business/Business	60	17	77

collect label levels - Edit level labels

Main Options

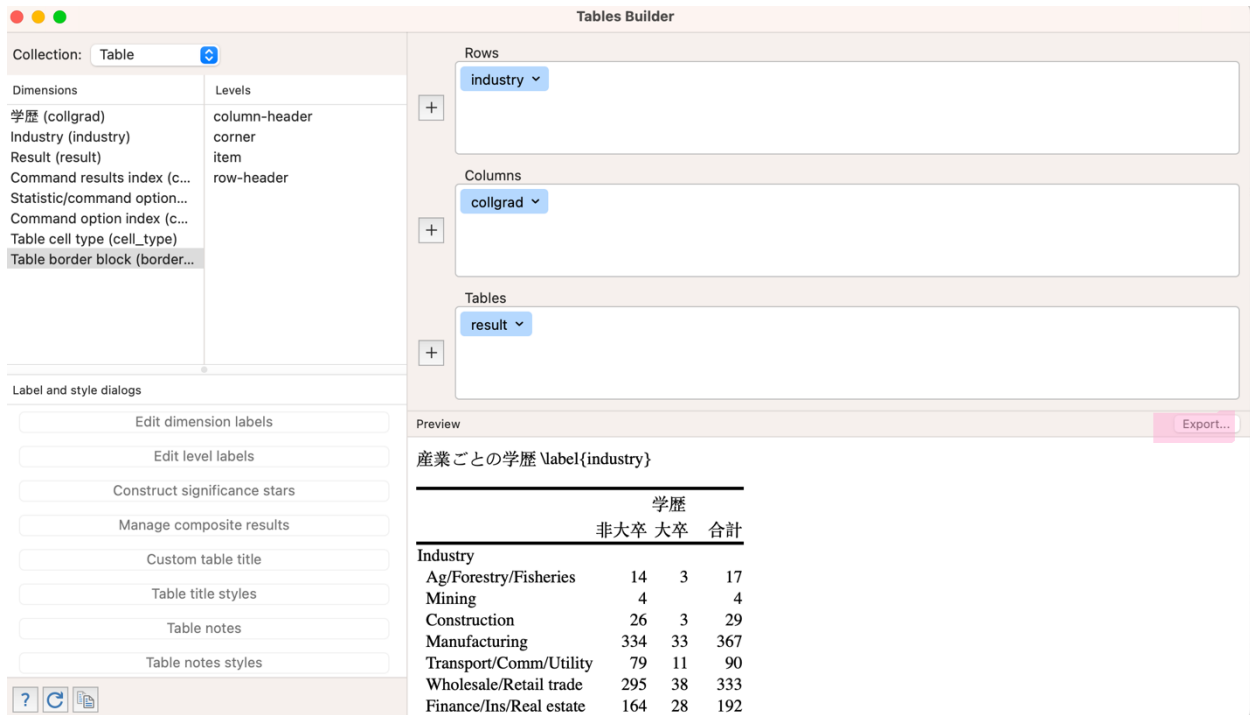
Dimension: 学歴 (collgrad) Collection: Table

Number of level labels: 3

Level:	Label:
1: 0	非大卒
2: 1	大卒
3: .m	合計

Buttons: Submit, Cancel, OK

7. LaTeX 形式の表を出力する



Tables Builder

Collection: Table

Dimensions

- 学歴 (collgrad)
- Industry (industry)
- Result (result)
- Command results index (c...)
- Statistic/command option...
- Command option index (c...)
- Table cell type (cell_type)
- Table border block (border...

Levels

- column-header
- corner
- item
- row-header

Rows

- industry

Columns

- collgrad

Tables

- result

Label and style dialogs

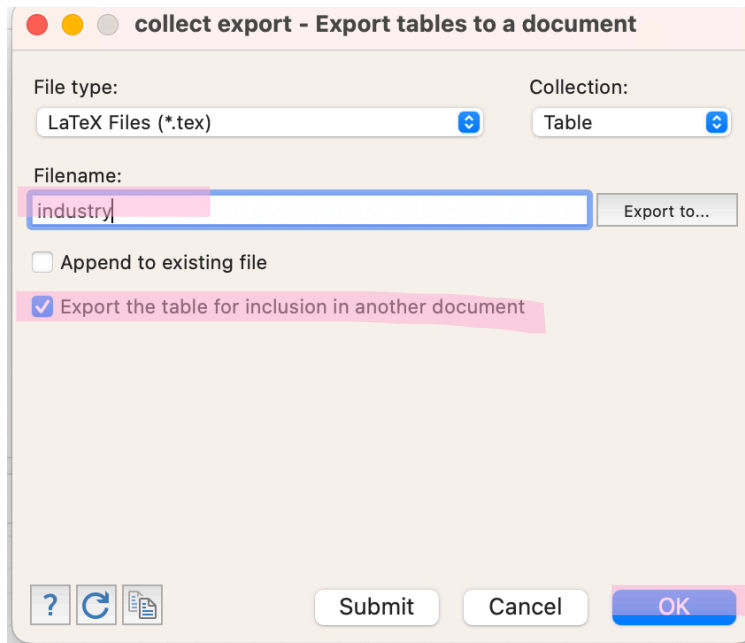
- Edit dimension labels
- Edit level labels
- Construct significance stars
- Manage composite results
- Custom table title
- Table title styles
- Table notes
- Table notes styles

Preview

産業ごとの学歴 \label{industry}

	学歴		
	非大卒	大卒	合計
Industry			
Ag/Forestry/Fisheries	14	3	17
Mining	4		4
Construction	26	3	29
Manufacturing	334	33	367
Transport/Comm/Utility	79	11	90
Wholesale/Retail trade	295	38	333
Finance/Ins/Real estate	164	28	192

8. LaTeX 形式の論文の一部に挿入する場合は、「Export the table for inclusion in another document」にチェックを入れる。



collect export - Export tables to a document

File type: LaTeX Files (*.tex)

Collection: Table

Filename: industry

Append to existing file

Export the table for inclusion in another document

Submit Cancel OK

9. コードを do-file に保存。

```
sysuse nlsw88.dta
```

```
table industry collgrad
```

```
collect style cell, border( right, pattern(nil) )
```

```
collect title "産業ごとの学歴 \label{industry}"
```

```
collect label dim collgrad "学歴", modify
```

```
collect label levels collgrad 0 "非大卒" 1 "大卒" .m "合計", modify
```

```
collect export "industry", as(tex) replace
```

History		Results		
Command	_rc			
361	sysuse nlsw88.dta	Construction	26	3 29
362	table industry co...	Manufacturing	334	33 367
363	collect style cell,...	Transport/Comm/Utility	79	11 90
364	collect title "産...	Wholesale/Retail trade	295	38 333
365	collect label dim...	Finance/Ins/Real estate	164	28 192
366	collect label level...	Business/Repair svc	69	17 86
367	collect export "in...	Personal services	94	3 97
		Entertainment/Rec svc	12	5 17
		Professional services	479	345 824
		Public administration	133	43 176
		Total	1,703	529 2,232

```
.  
. collect style cell, border( right, pattern(nil) )  
  
. collect title "産業ごとの学歴 \label{industry}"  
  
. collect label dim collgrad "学歴", modify  
  
. collect label levels collgrad 0 "非大卒" 1 "大卒" .m "合計", modify  
  
. collect export "industry", as(tex) replace  
(collection Table exported to file industry.tex)  
  
.
```