

Multi-Layer San Key  
Diagram generator :

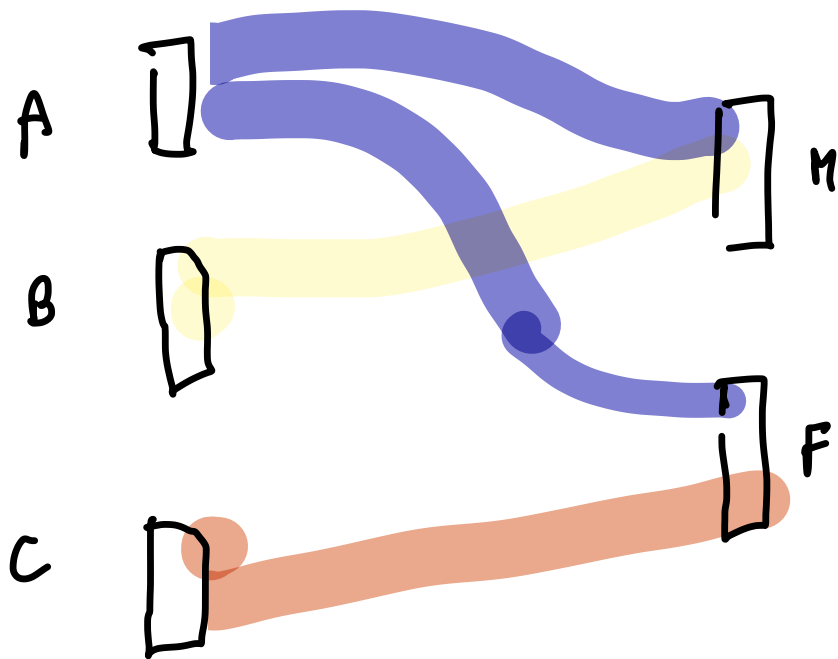
Brainstorming Notes

# Artists

- . Name
- . Nationality
- . Gender
- . Begin Date (Year Born)
- . End Date (Year Died)

Nat	Gen	Num	
A	M	100	
B	M	25	
C	M	(13)	X
A	F	72	
B	F	(18)	X
C	F	26	

Nat.	Gender	Decade	Num
A	M	1930	1
A	M	1940	1
B	F	1930	1
C	M	1940	1
:	:	:	:



cols: (u, v, w, x, y, z)

Nat.	Gender	Decade	#
A	M	1930	1
A	M	1940	1
B	F	1930	1
C	M	1940	1
:	:	:	:

$\Rightarrow$

$\Downarrow$

u	v	#

+

v	w	#

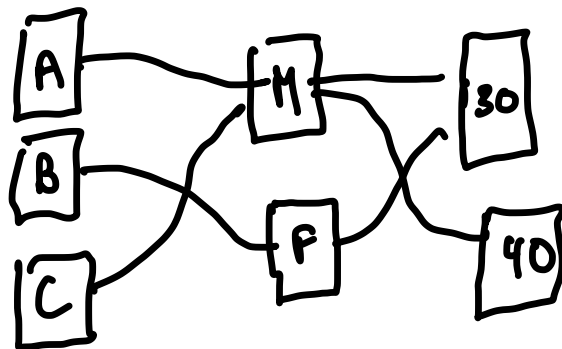
+

w	x	#
:	:	
:	:	

$n$  columns  $\Rightarrow (n-1)$  stacks

Nat.	Gender	Decade	#
A	M	1930	1
A	M	1940	1
B	F	1930	1
C	M	1940	1
:	:	:	:

Source	Target	Vals.
A	M	2
B	F	1
C	M	1
M	1930	1
F	1930	1
M	1940	2



## Proposed API

current: `make_sankey(src, targ, vals=None, **kwargs)`

"args"  
↓

Proposed: `make_sankey(*cols, vals=None, **kwargs)`

if `len(cols) ≥ 2`:

convert to "stacked" df

code mapping as usual

render s.k. diagram

`make_sankey(nat, gen, decade)`