
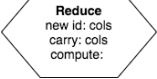


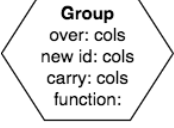


Unary Operator Framework

Circumstance		Result Relation Name			Result Relation Structure		
operator	non-relation inputs	base	row modifier	column modifier	identifier	width	Height
Project 	column list, including computed columns	no change	none	from column names	no change	number of columns named	no change = h
Reduce  <i>danger</i>	id column list; carry column list	from id columns	from input base	from column names	specified columns	number of columns named	shorter (perhaps no change) =< h
Filter 	condition	no change	from condition	none	no change	no change	zero, some or all rows depending on data =< h
Group   <i>danger</i>	function list; carry column list	from function columns	from input base	none, or from carry columns	all function columns	number of columns named	one row = 1 (rarely, zero rows)
	Over column list; function list; carry column list	from Over columns	from input base	from function & carry columns	all Over columns	number of columns named	shorter (perhaps no change) =< h