R objects

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JB's typology of R objects, i.e. "flavors"

a simple view of simple R objects that will get you pretty far

Simple view	Technically correct R view		
	mode	class	typeof
character	character	character	character
logical	logical	logical	logical
numeric	numeric	integer or numeric	integer or double
factor	numeric	factor	integer

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"Simple view" of data collections

Collecting scalars of the same mode? — yes → vector

Collecting scalars of the same mode? — no → list

vector ⋯→ Collecting vectors of the same length?

Collecting vectors of the same length? — no → list

list ⋯→ data.frame

Collecting vectors of the same length? — yes → Collecting vectors of the same mode?

Collecting vectors of the same mode? — no → data.frame

Collecting vectors of the same mode? — yes → matrix