

Publication	Scales to > 1e5 cells?	Multi-view	Multi-group	Missing values	Likelihoods
slalom [1]	No	No	No	No	ZI gaussian
pCMF [2]	Yes	No	No	No	ZI poisson
GFA [3]	No	Yes	No	Yes	Gaussian
ZIFA [4]	No	No	No	No	ZI gaussian
scVI [5]	Yes	No	Yes	No	ZI negative binomial
MSFA [6]	No	No	Yes	No	Gaussian
SDA [7]	No	No	Yes	No	Gaussian
ZINB-WaVE [8]	No	No	No	No	ZI negative binomial
AJIVE [9]	No	Yes	No	No	NA
DIABLO [10]	Yes	Yes	No	*	NA
scHPF [11]	Yes	No	No	Yes	Negative binomial
MOFA [12]	No	Yes	No	Yes	Gaussian/Poisson/Bernoulli
MOFA+	Yes	Yes	Yes	Yes	Gaussian/Poisson/Bernoulli

Table 1: **Overview of Factor analysis methods.**

*DIABLO handles missing data at random, but not samples missing an entire view.

References

[1]

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