RDA or dbRDA?

	RDA	dbRDA
Missing	Sensitive	Not sensitive
Noise	Less	More

What is my sampling scheme?
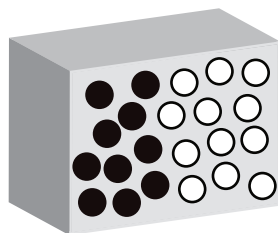
Individual-based

Population-based

GENOTYPES

p

n

	SNP1	SNP2	SNP3...
IndA	AA	TT	GC
IndB	AA	TT	GG
IndC	AC	TT	GG
IndD	AC	TA	GG

Can missing data bias my results?

No:
Few 0s or
0 = absence

Yes:
0 different from
absence

distance-based
RDA

RDA on genotypes
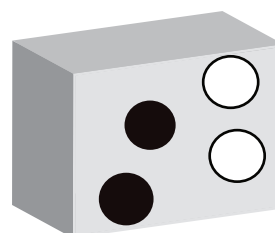
ALLELE FREQUENCIES

p

n

	SNP1	SNP2	SNP3...
PopA	0.12	0.05	0.41
PopB	0.26	0.01	0.01

*Do I have enough samples
(n observations > p variables)?*

No: n < p

Yes : n > p

distance-based
RDA at the individual level

RDA on allele frequencies