

Testing for Heterogeneity (Sex differences)

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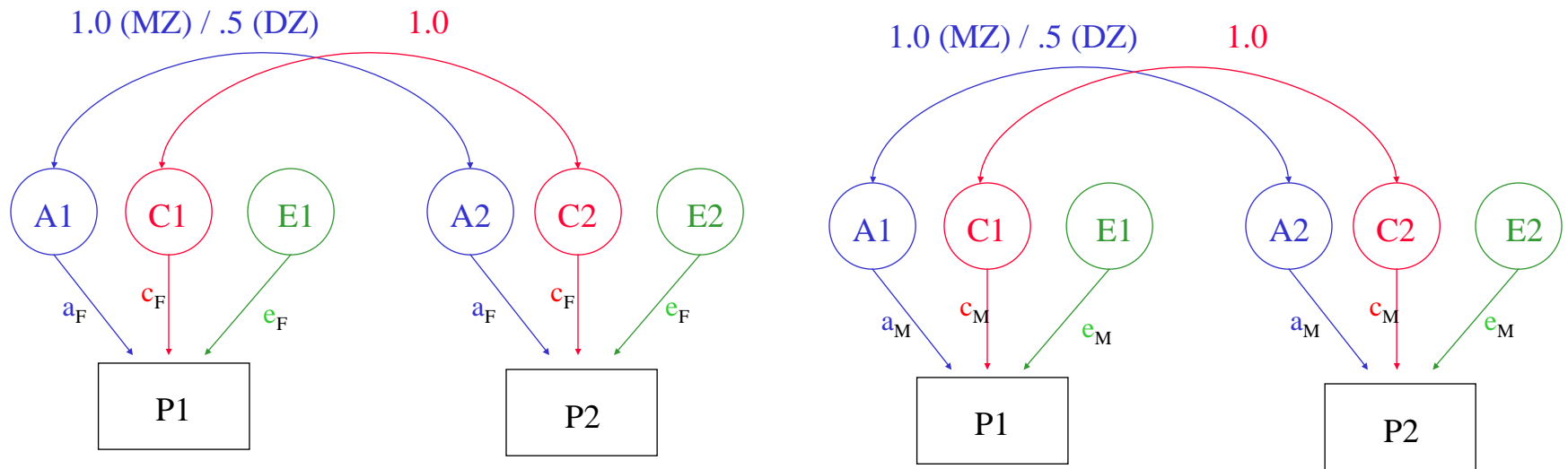
Sex Effects

1. Does the magnitude of genetic/environmental effects differ in males and females?

Sex Effects

Females

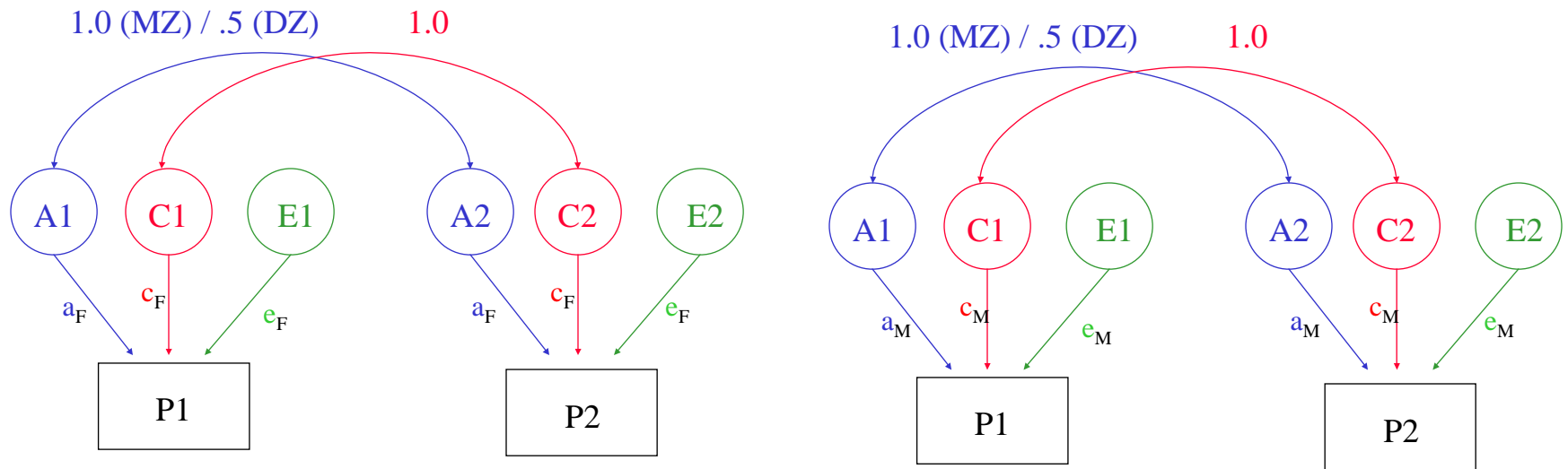
Males



Sex Effects

Females

Males



$$a_F = a_M ?$$

$$c_F = c_M ?$$

$$e_F = e_M ?$$

Sex Effects

1. Does the magnitude of genetic/environmental effects differ in males and females? (QUANTITATIVE)
2. With OS pairs: Are the same genes/environments acting in males and females (QUALITATIVE)

Sex Specific Effects

- Inspecting the correlations from DZ like-sex and opposite-sex pairs can alert you to the presence of sex-specific effects if the OSDZ correlation is markedly less than the SSDZ correlations.

ADE heterogeneity model

