$\mathbf{M} \sim \mathrm{RSM}(\mathbf{d})$

Random Stub Matching
given observed degree sequence $\mathbf{d}$

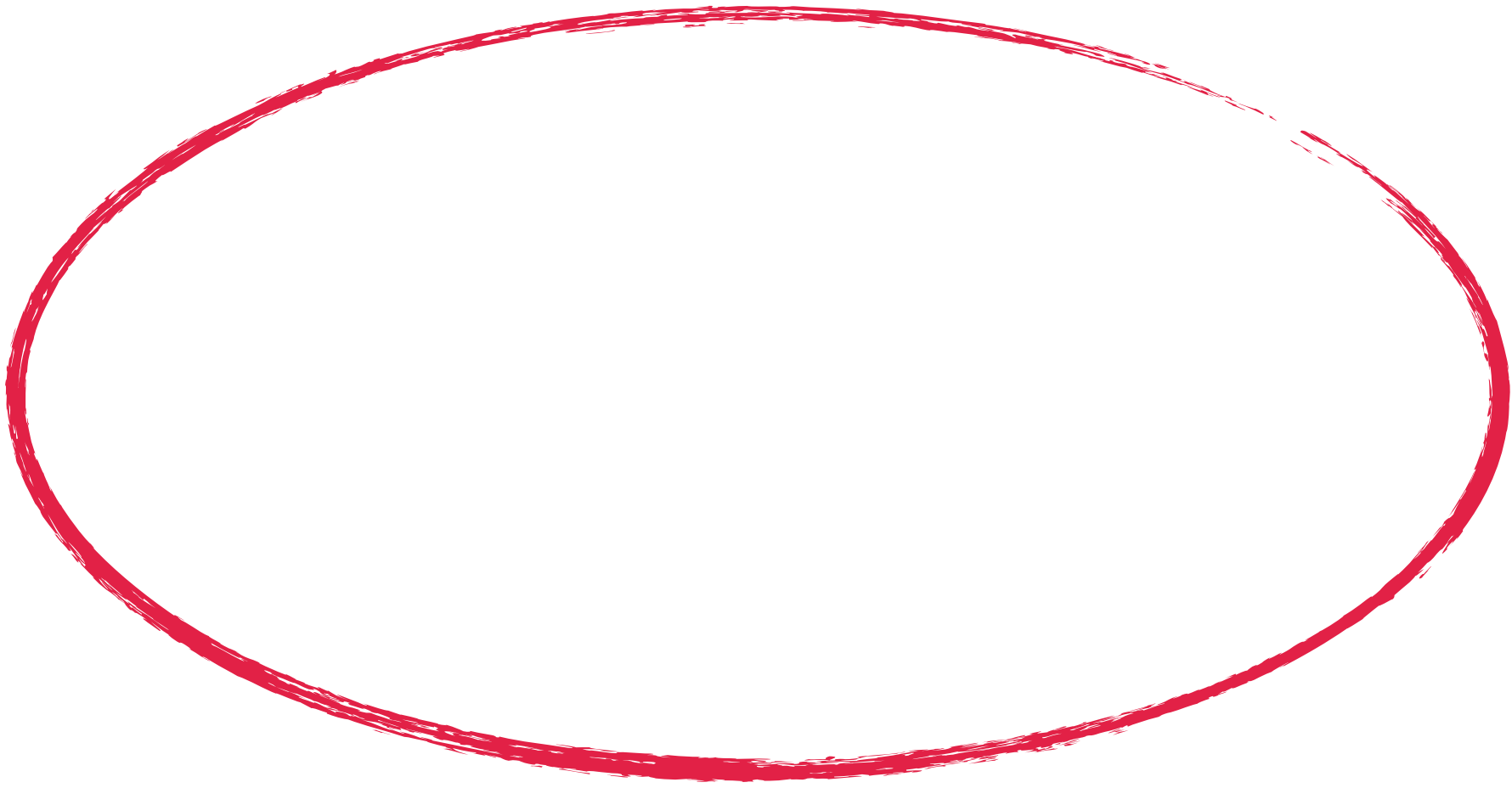$\mathbf{M} \sim \mathrm{IEAS}(\mathbf{Q}(\mathbf{d}))$

Independent Edge Assignments of Stubs
edge assignment probabilities $\mathbf{Q}(\mathbf{d})$
where $\mathbf{d}$ is observed degree sequence

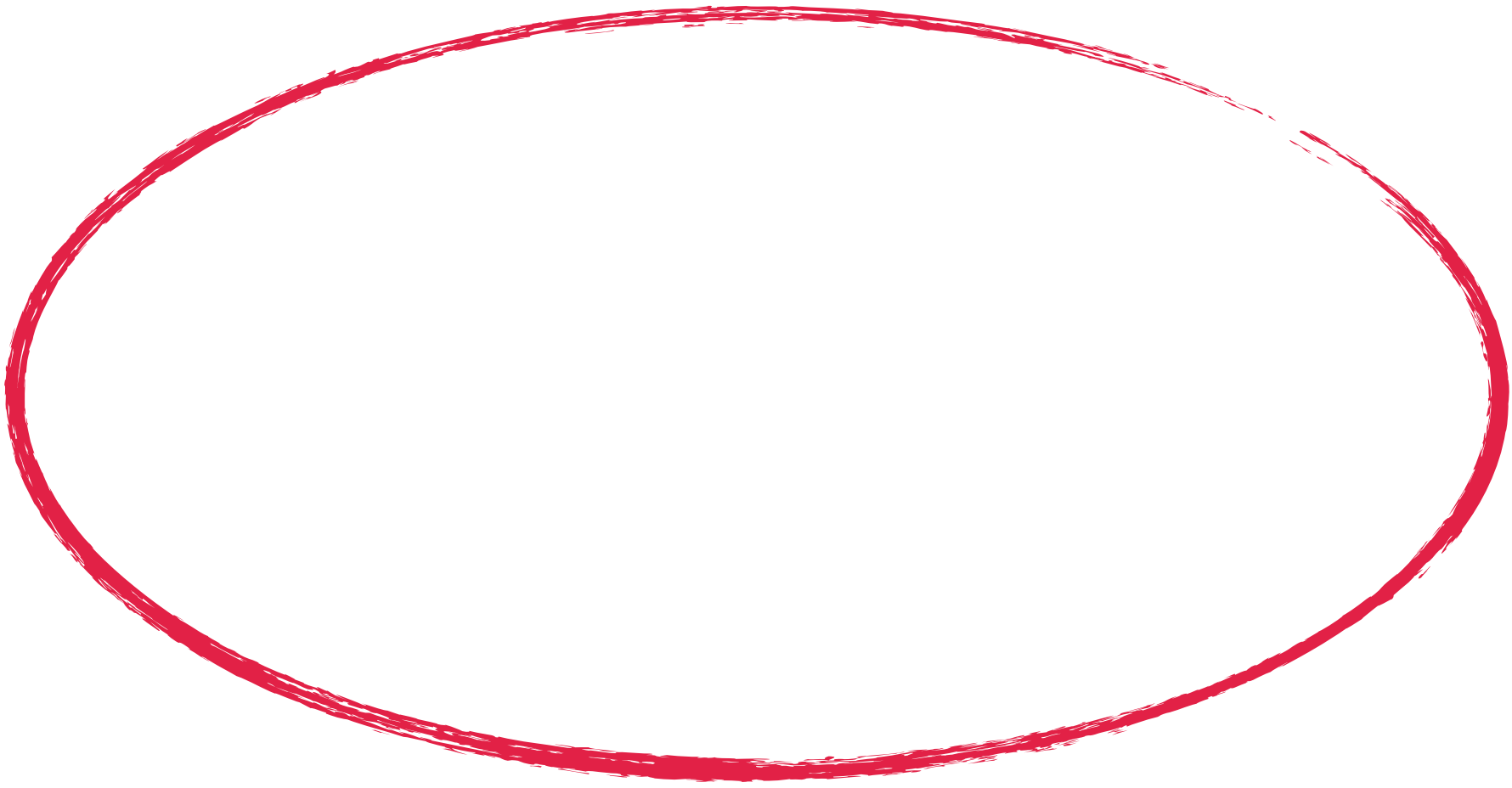$\mathbf{M} \sim \mathrm{ISA}(\mathbf{Q}(\mathbf{p}))$

Independent Stub Assignments
degree sequence $\sim \mathrm{multinomial}(2m, \mathbf{p})$
where $\mathbf{p}$ are stub assignment probabilities

$\mathbf{M} \sim \mathrm{IEA}(\mathbf{Q})$

Independent Edge Assignments
edge sequence $\sim \mathrm{multinomial}(2m, \mathbf{Q})$
where $\mathbf{Q}$ are edge assignment probabilities

random multigraph models

random multigraph models

$\mathbf{M} \sim \mathrm{RSM}(\mathbf{d})$

Random Stub Matching

given observed degree sequence $\mathbf{d}$

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Independent Edge Assignments of Stubs

edge assignment probabilities $\mathbf{Q}(\mathbf{d})$

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Independent Stub Assignments

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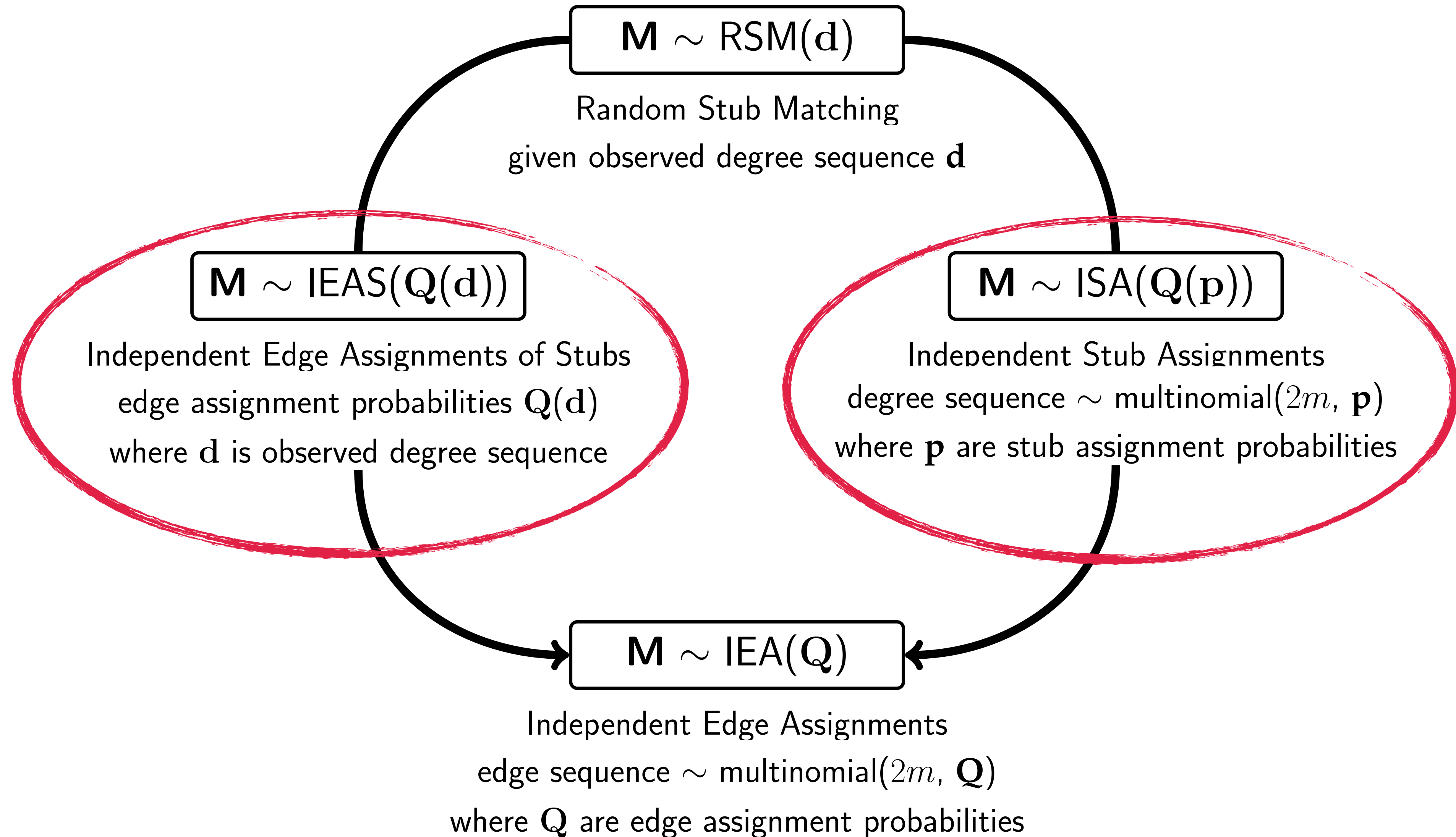
$\mathbf{M} \sim \mathrm{IEA}(\mathbf{Q})$

Independent Edge Assignments

edge sequence $\sim \mathrm{multinomial}(2m, \mathbf{Q})$

where $\mathbf{Q}$ are edge assignment probabilities

approximate IEA models