

① SEIR Model

② Parameter fitting

③ Transfer coefficients

③ Compartmental Model

→ 5 cities

④ Sensitivity Analysis? - Active Subspaces
Parameter Reduction?

⑤ Optimal placement —

/ Network Model

(vs. PDEs)

Trial & Error?

Guided by population / spread?

Functional Approach?

⑥ Sara - parameter fitting questions
(fit I or R or both?)

- alternatives to SEIR

mtg 3/25 (Kelsey)

① Two parameters

k_1 (from $k_1 SI$)

k_2 (from $k_1 SK$)

Importance