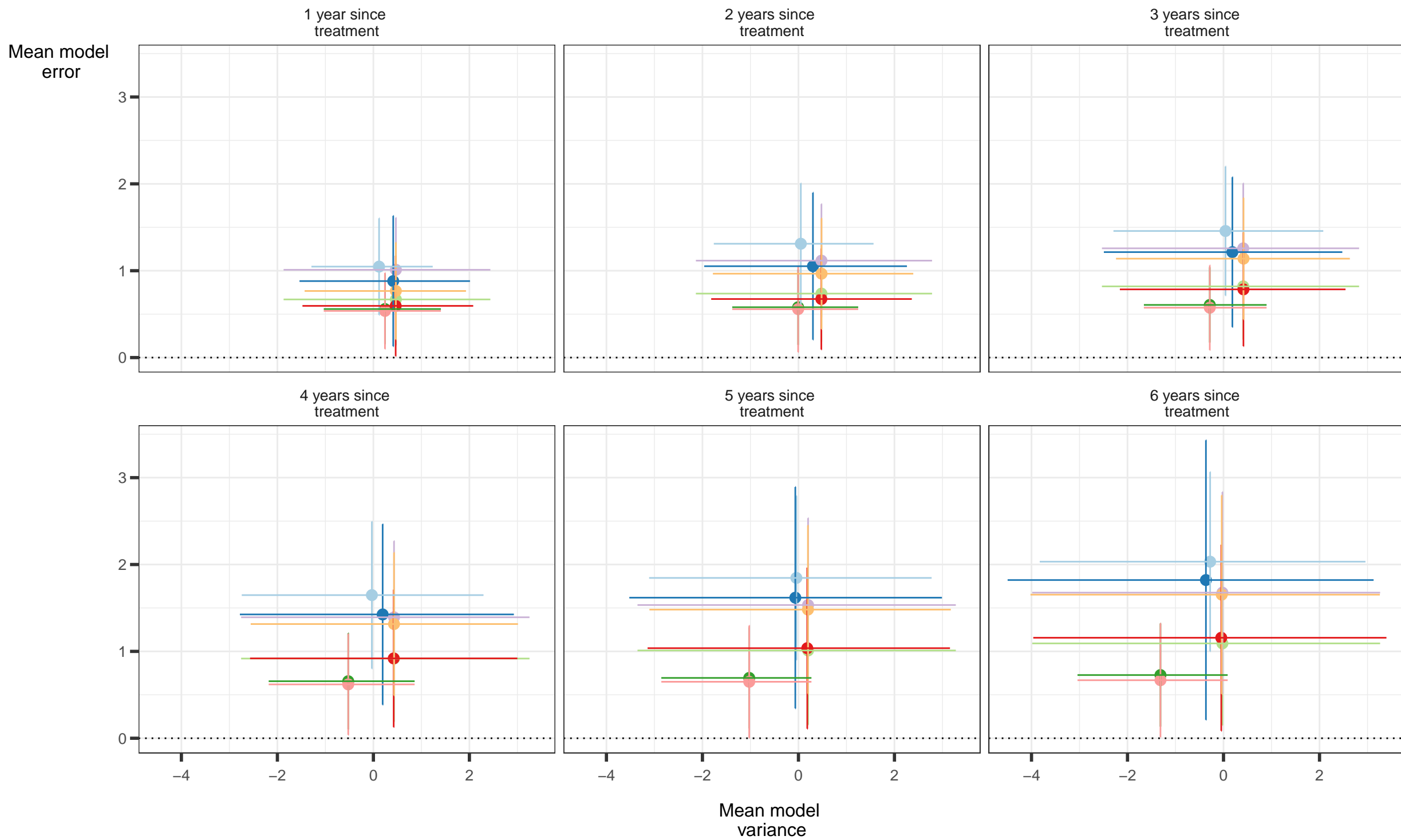


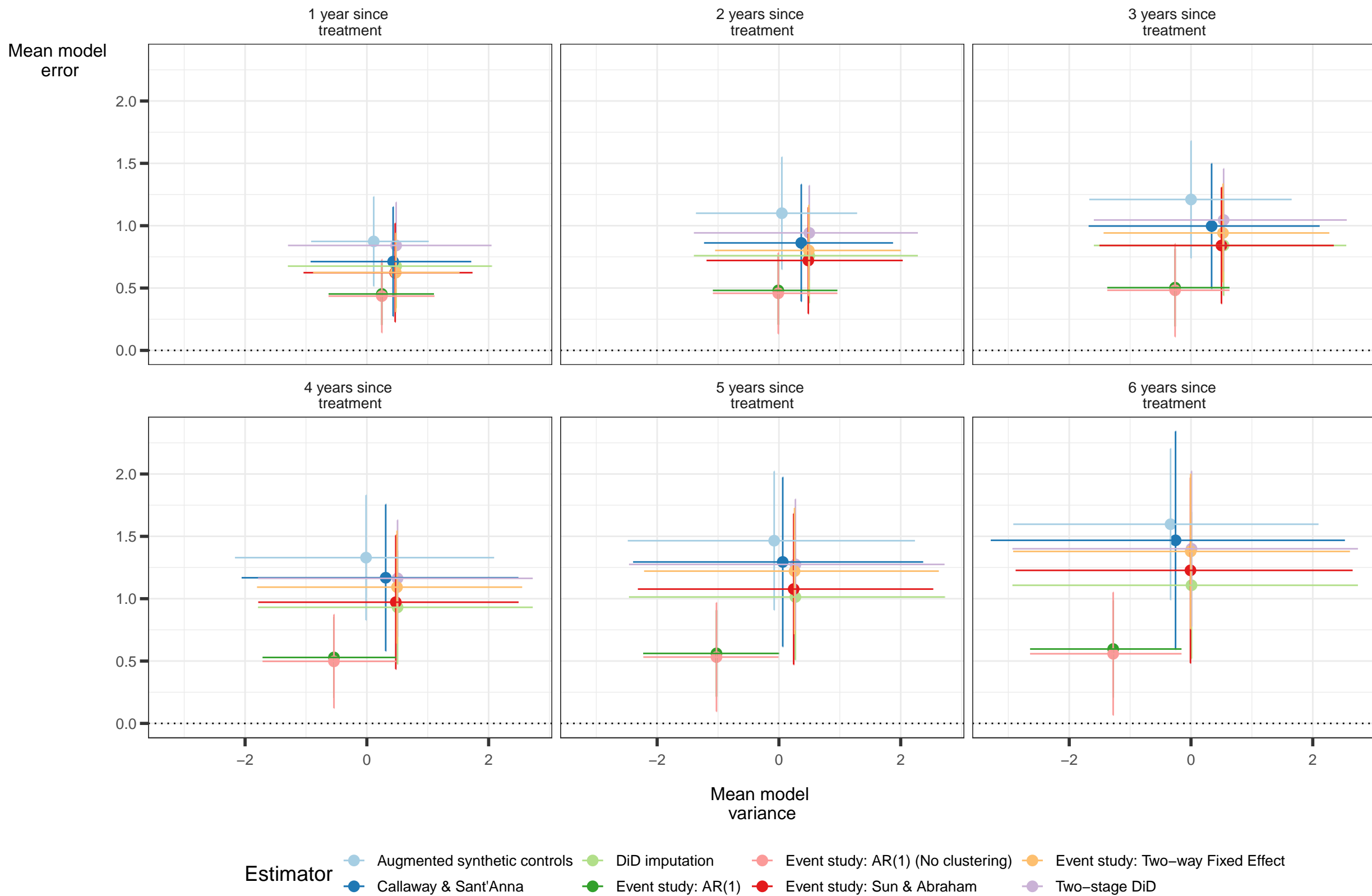
# Model error v. model variance: 15 treated units and linear increasing effects



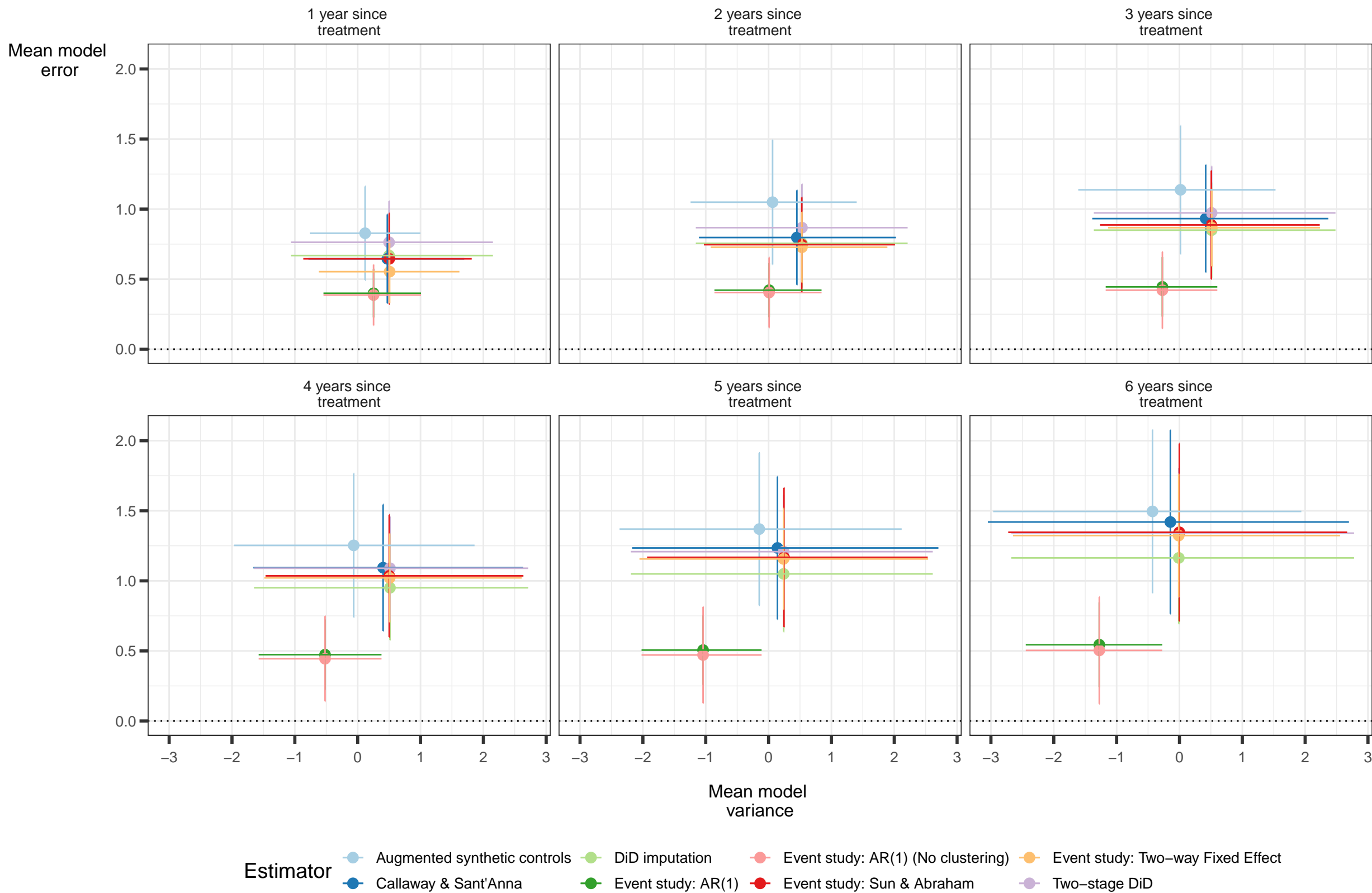
**Estimator**

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1) (No clustering)
- Event study: AR(1)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD

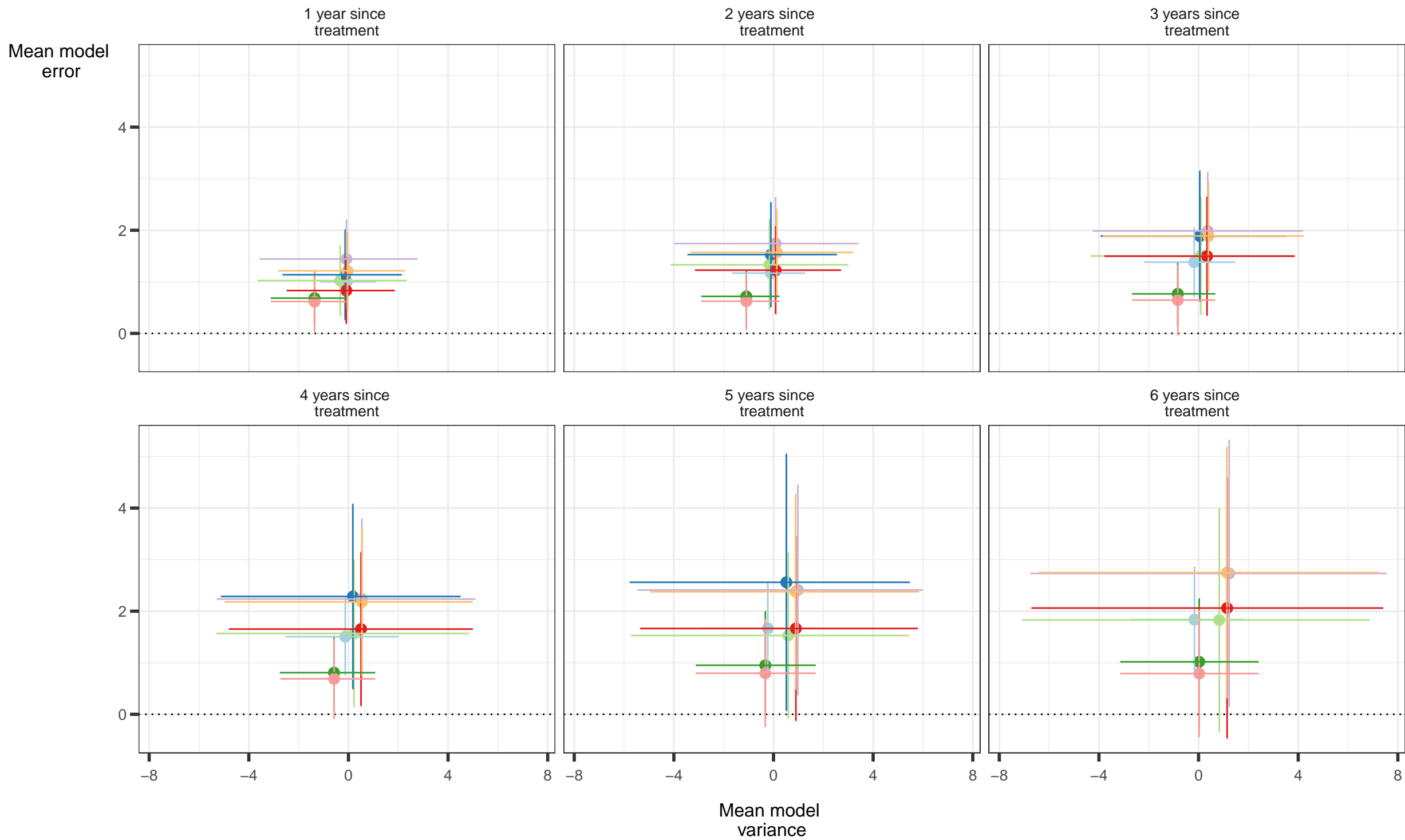
# Model error v. model variance: 25 treated units and linear increasing effects



# Model error v. model variance: 35 treated units and linear increasing effects



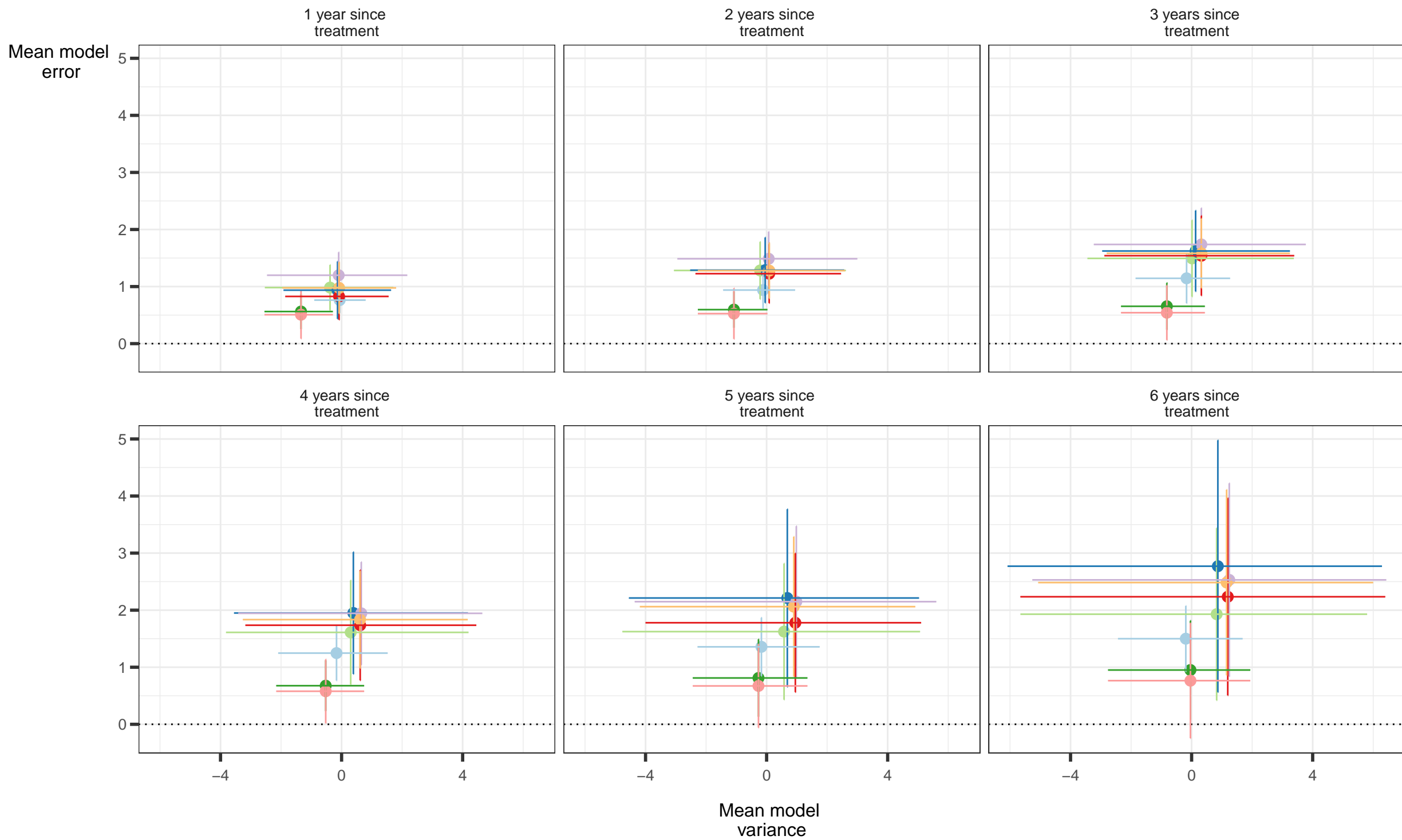
Model error v. model variance:  
15 treated units and linear decreasing effects



Estimator

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1)
- Event study: AR(1) (No clustering)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD

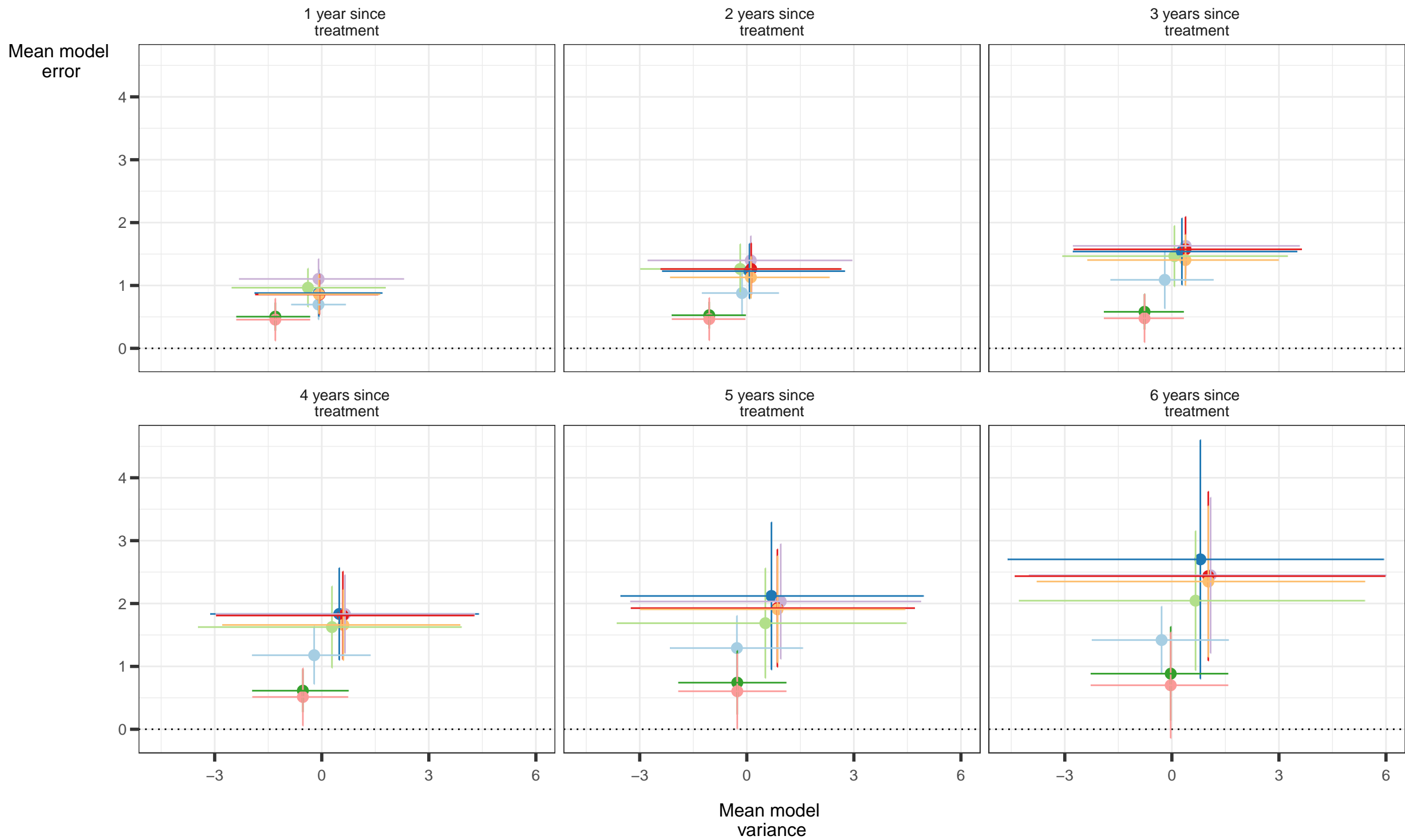
Model error v. model variance:  
25 treated units and linear decreasing effects



Estimator

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1)
- Event study: AR(1) (No clustering)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD

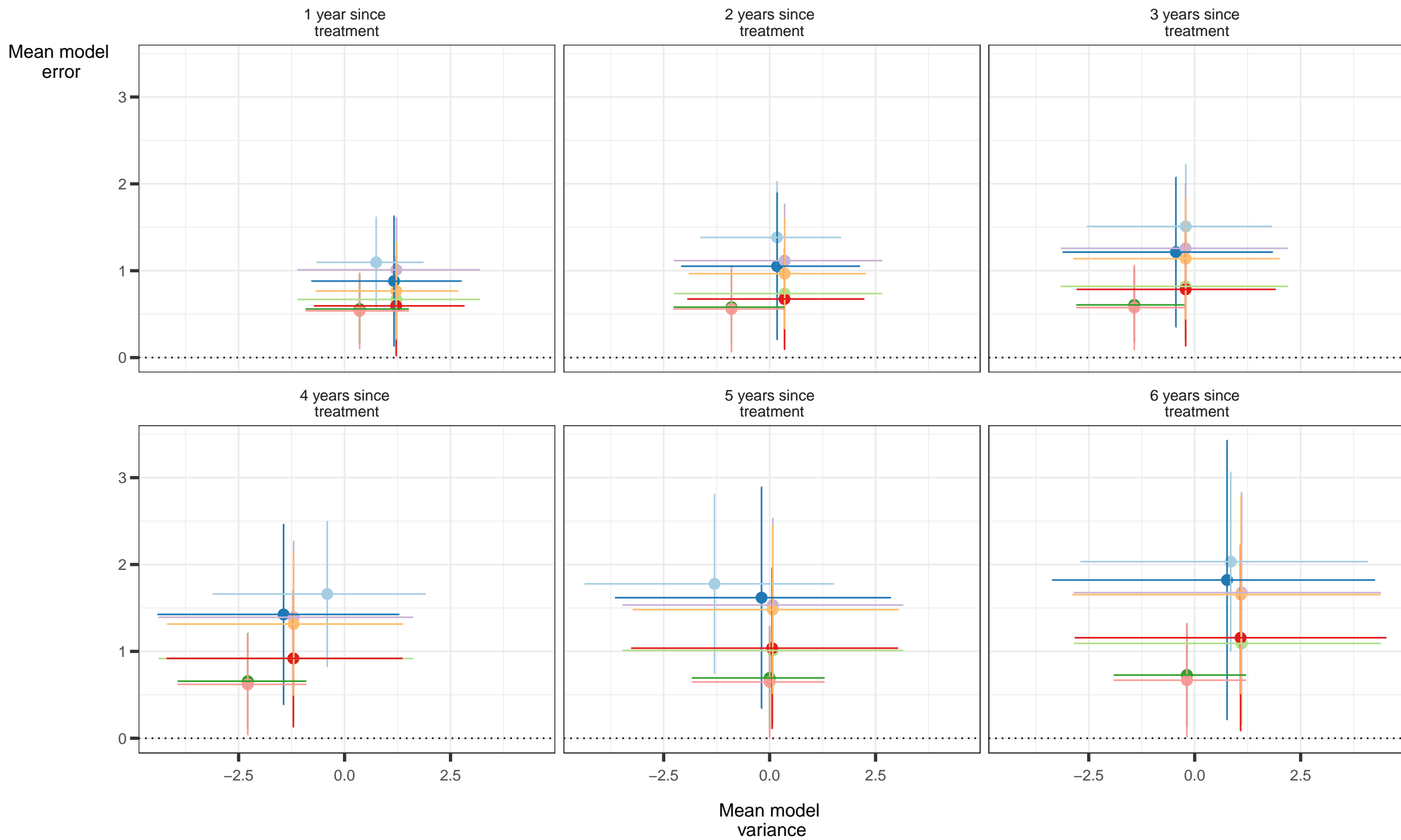
Model error v. model variance:  
35 treated units and linear decreasing effects



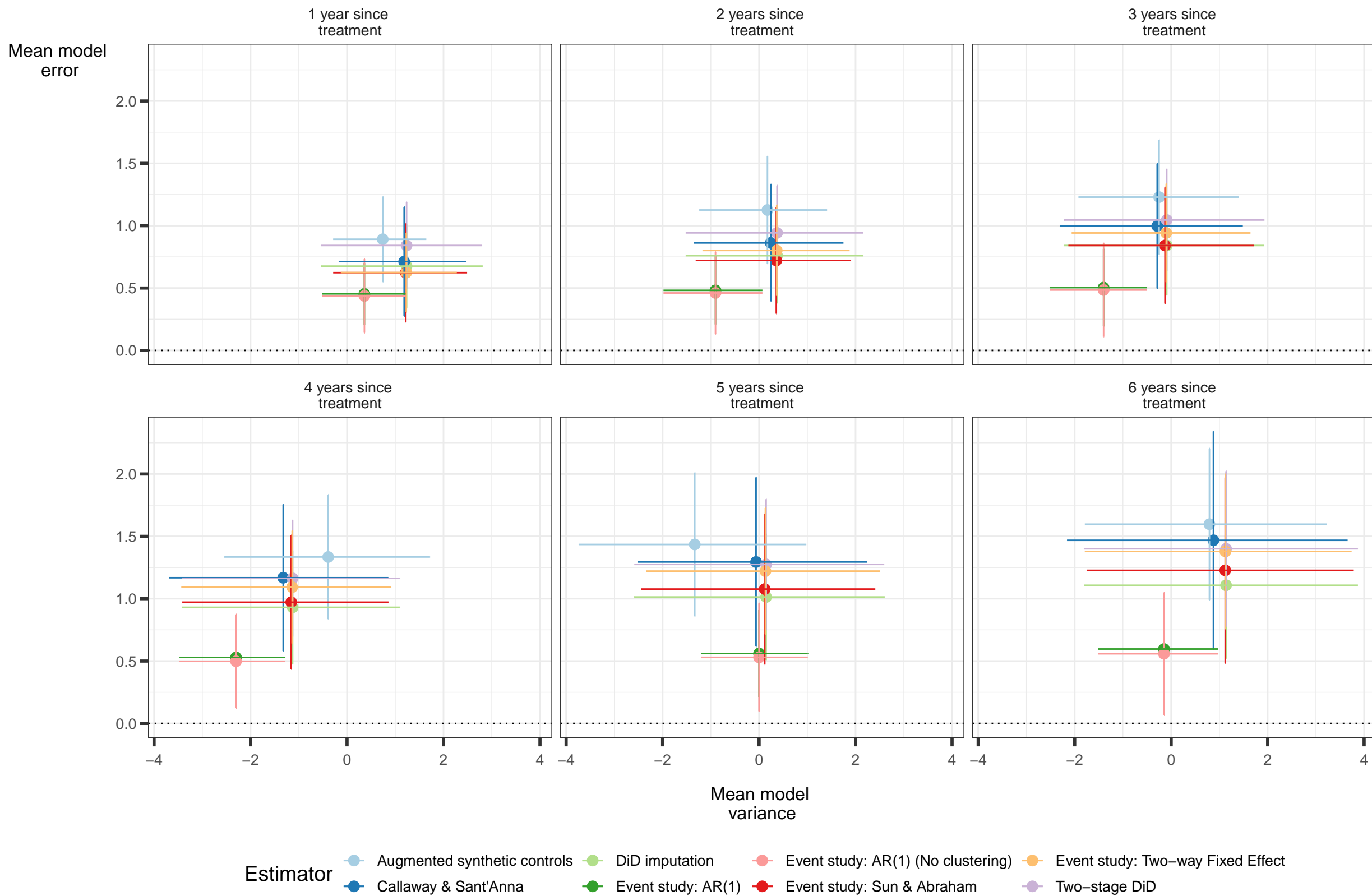
Estimator

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1)
- Event study: AR(1) (No clustering)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD

# Model error v. model variance: 15 treated units and instant plateau effects

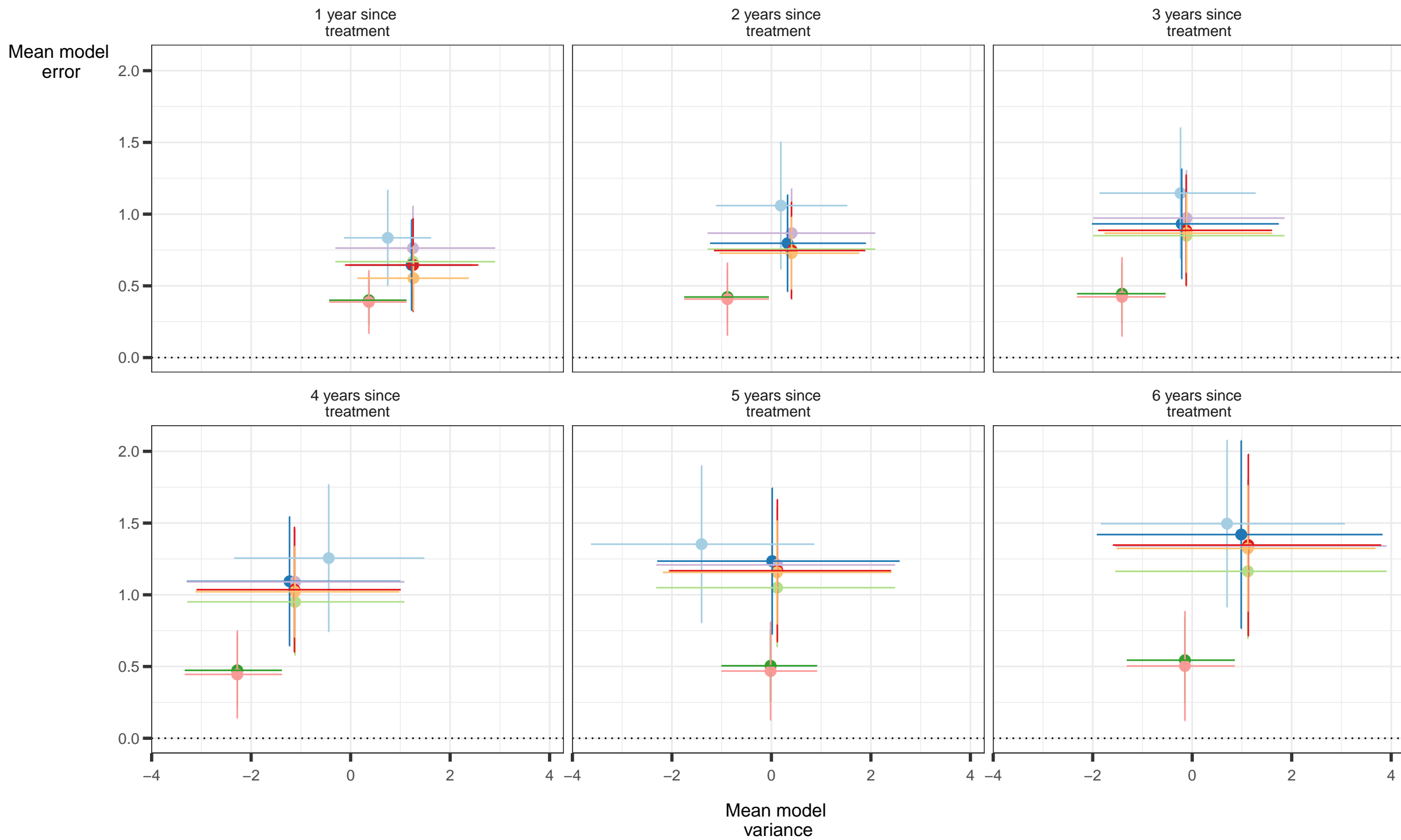


# Model error v. model variance: 25 treated units and instant plateau effects





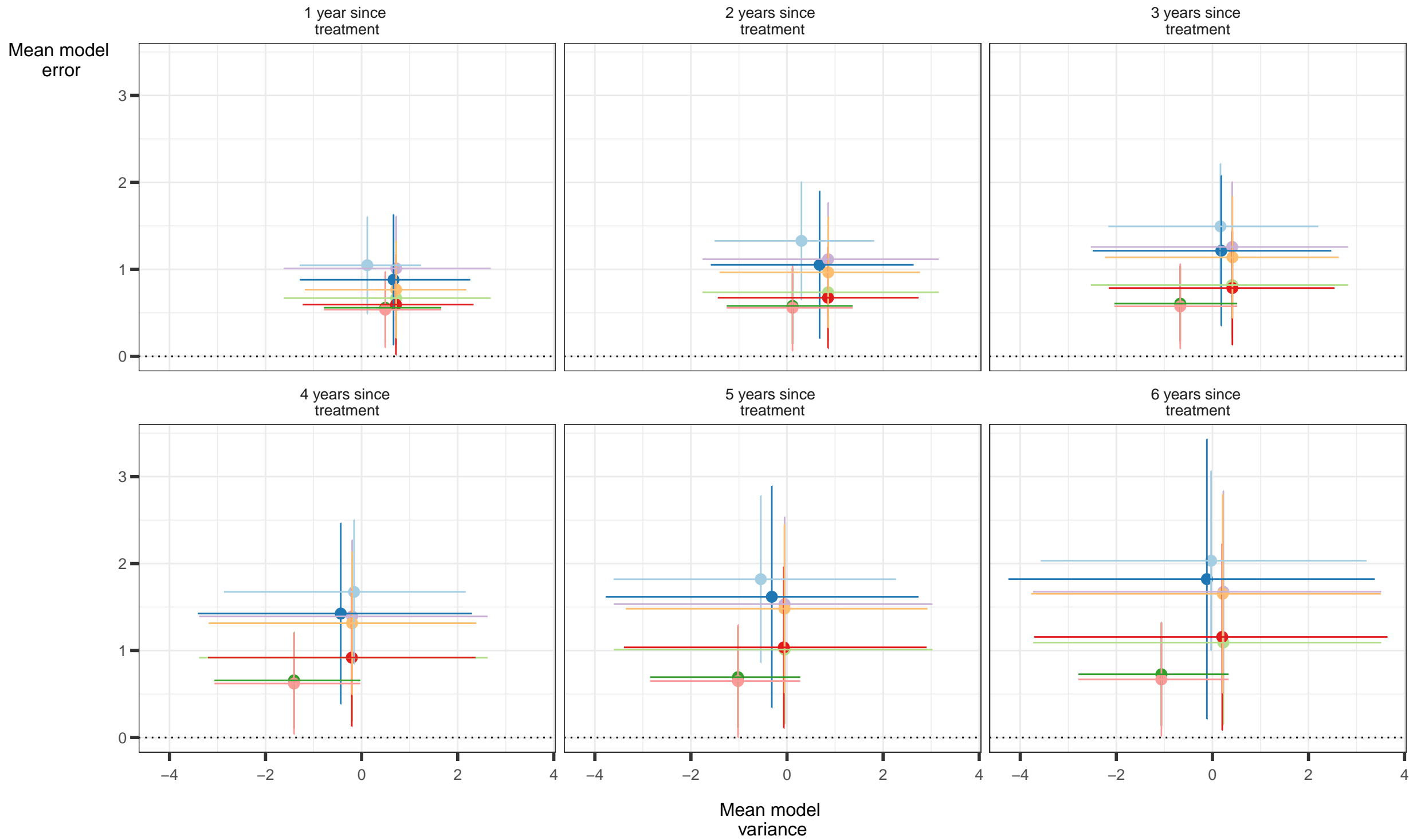
# Model error v. model variance: 35 treated units and instant plateau effects



Estimator

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1)
- Event study: AR(1) (No clustering)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD

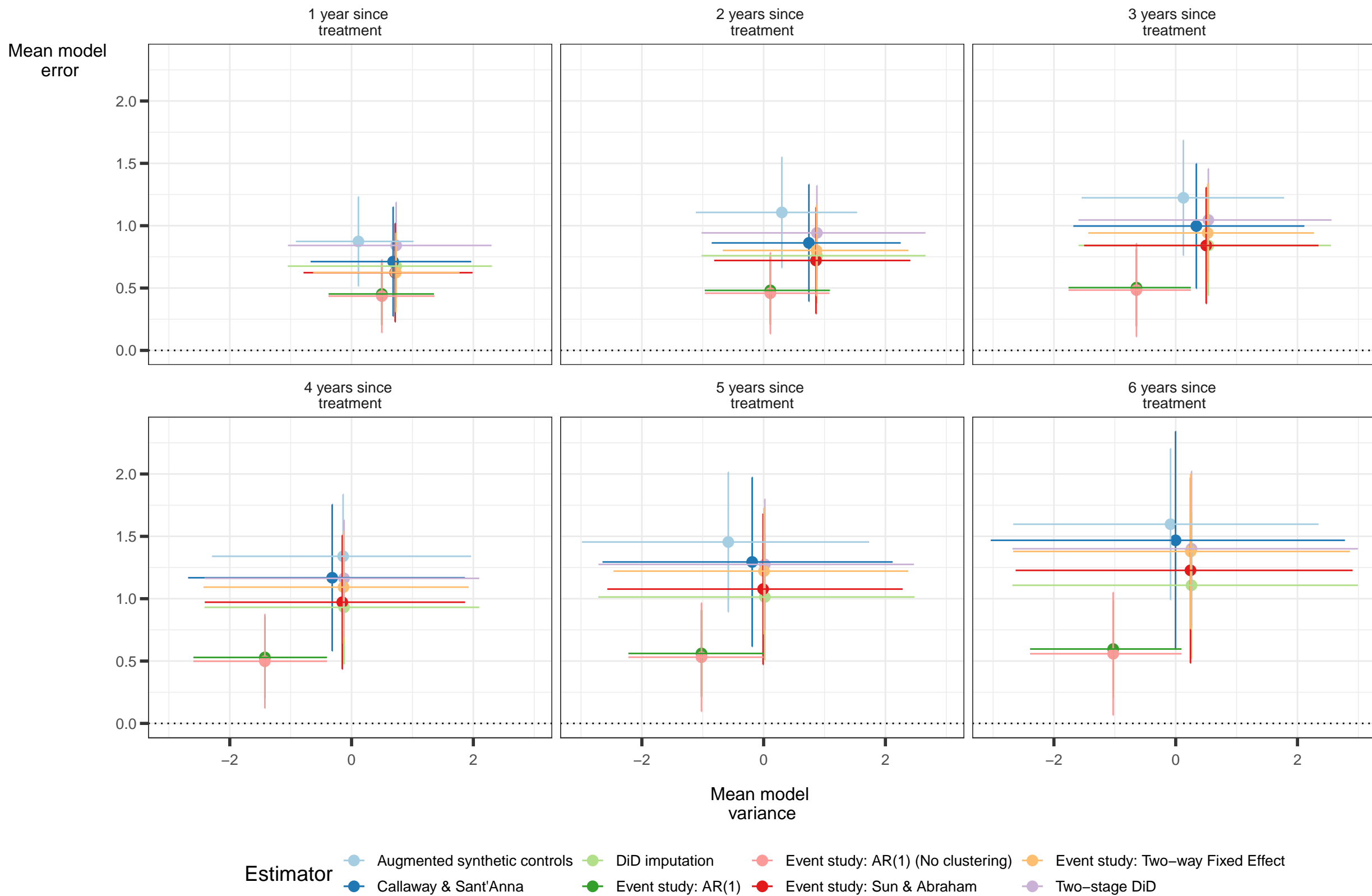
# Model error v. model variance: 15 treated units and slow plateau effects



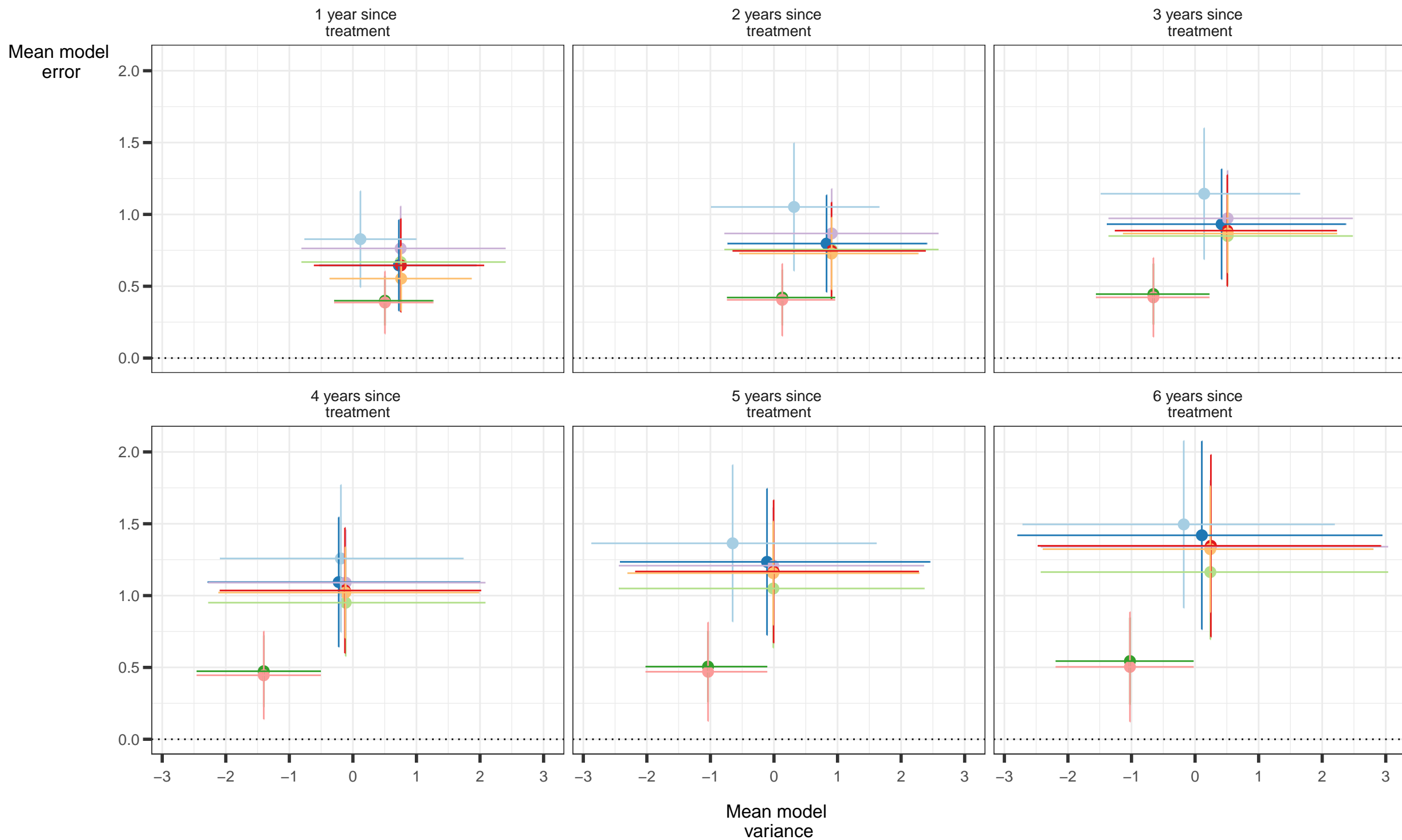
Estimator

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1)
- Event study: AR(1) (No clustering)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD

# Model error v. model variance: 25 treated units and slow plateau effects



# Model error v. model variance: 35 treated units and slow plateau effects



**Estimator**

- Augmented synthetic controls
- Callaway & Sant'Anna
- DiD imputation
- Event study: AR(1)
- Event study: AR(1) (No clustering)
- Event study: Sun & Abraham
- Event study: Two-way Fixed Effect
- Two-stage DiD