Marginal Value Theorem

Cassidy Bargell
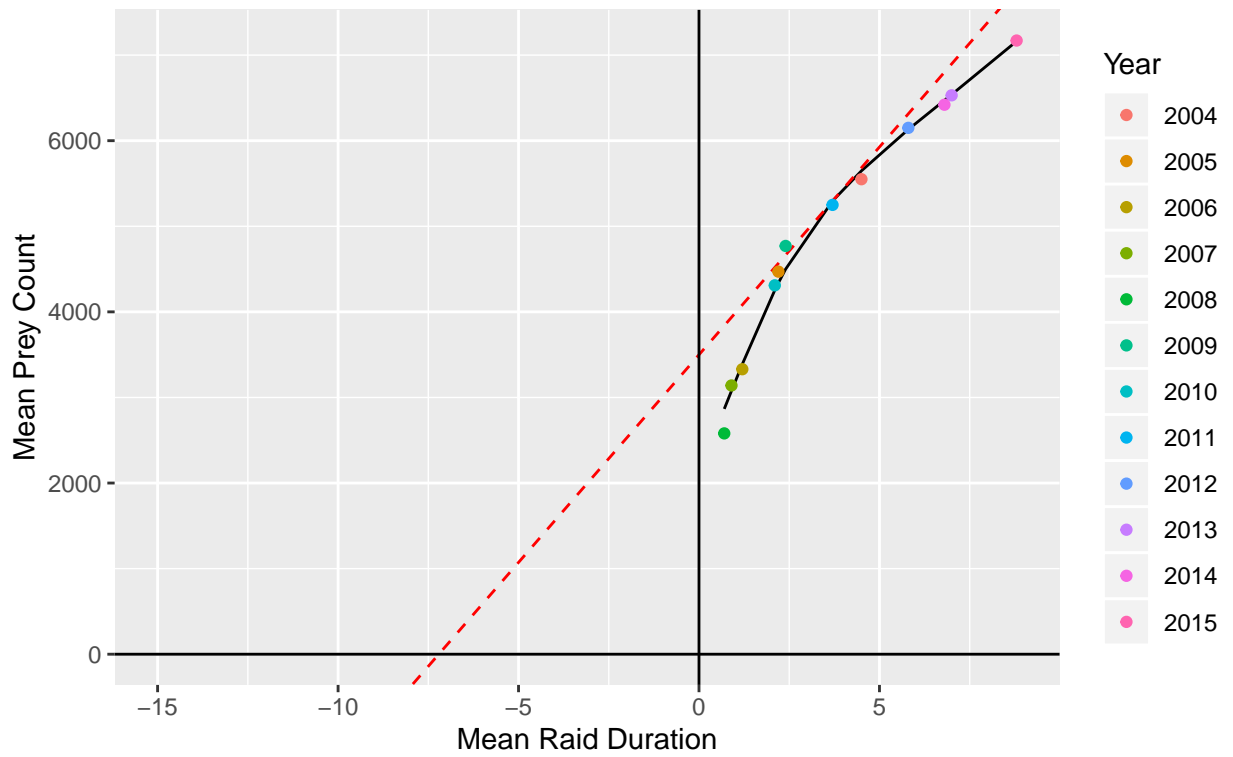
4/19/2020

Question 2

Marginal Value Theorem Model
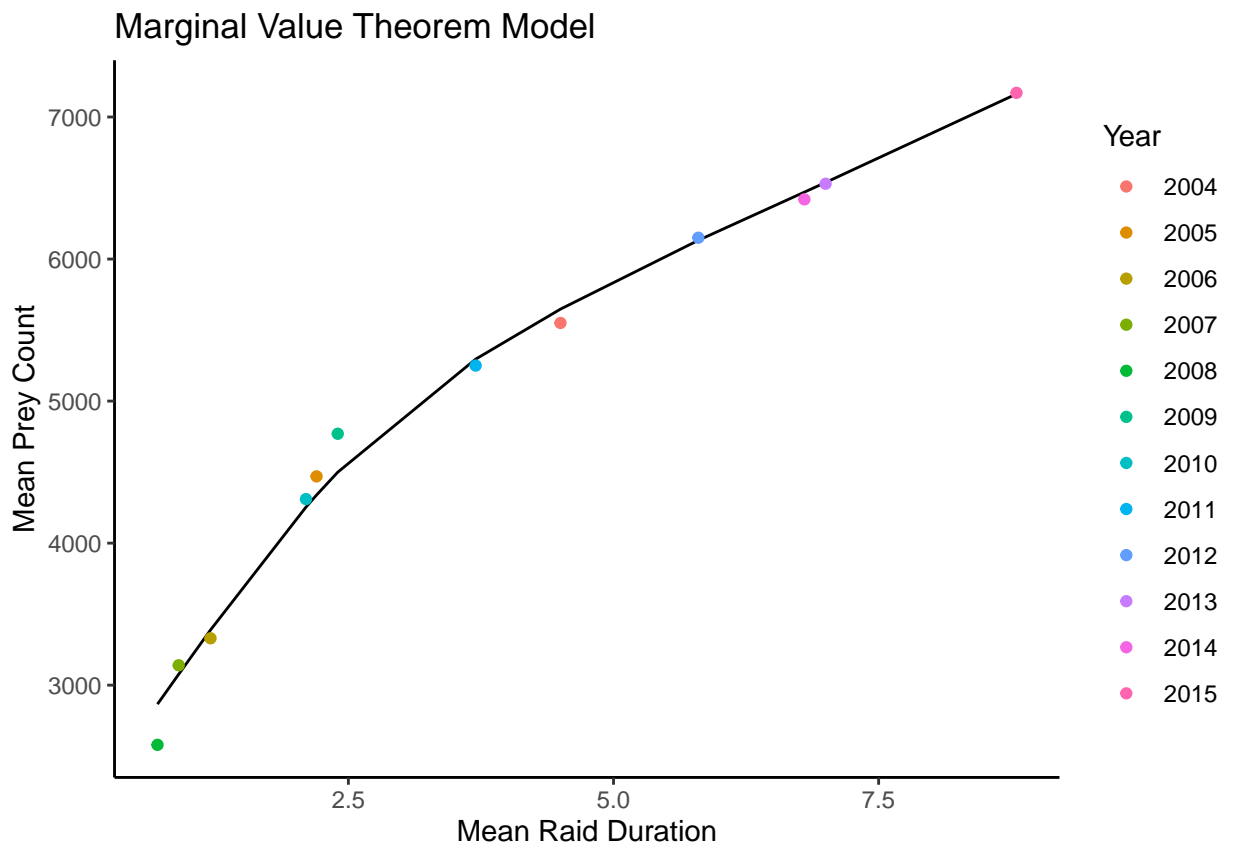
2a)

Marginal Value Theorem Model
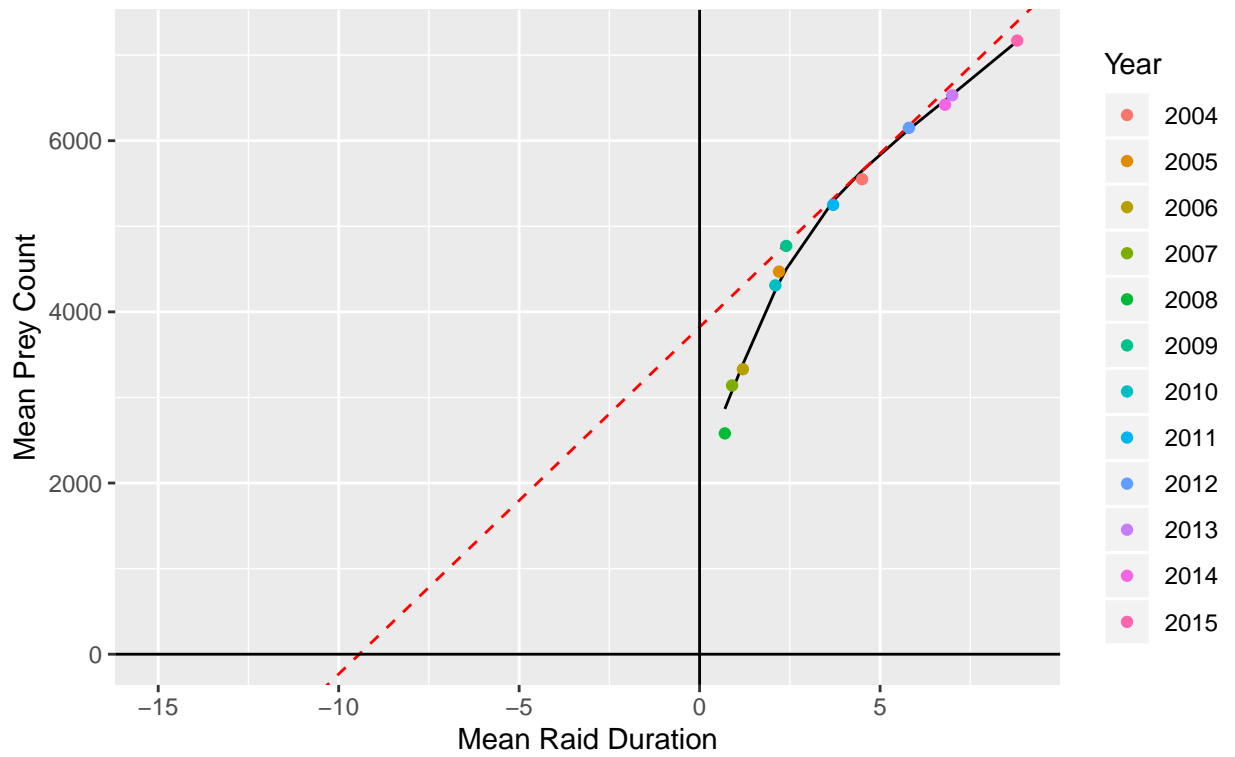### Average Search Time 2011

2b)

$$y = 485.3575352 * x + 3499.2954039$$

Average search time 2011: -7.2097272

Marginal Value Theorem Model
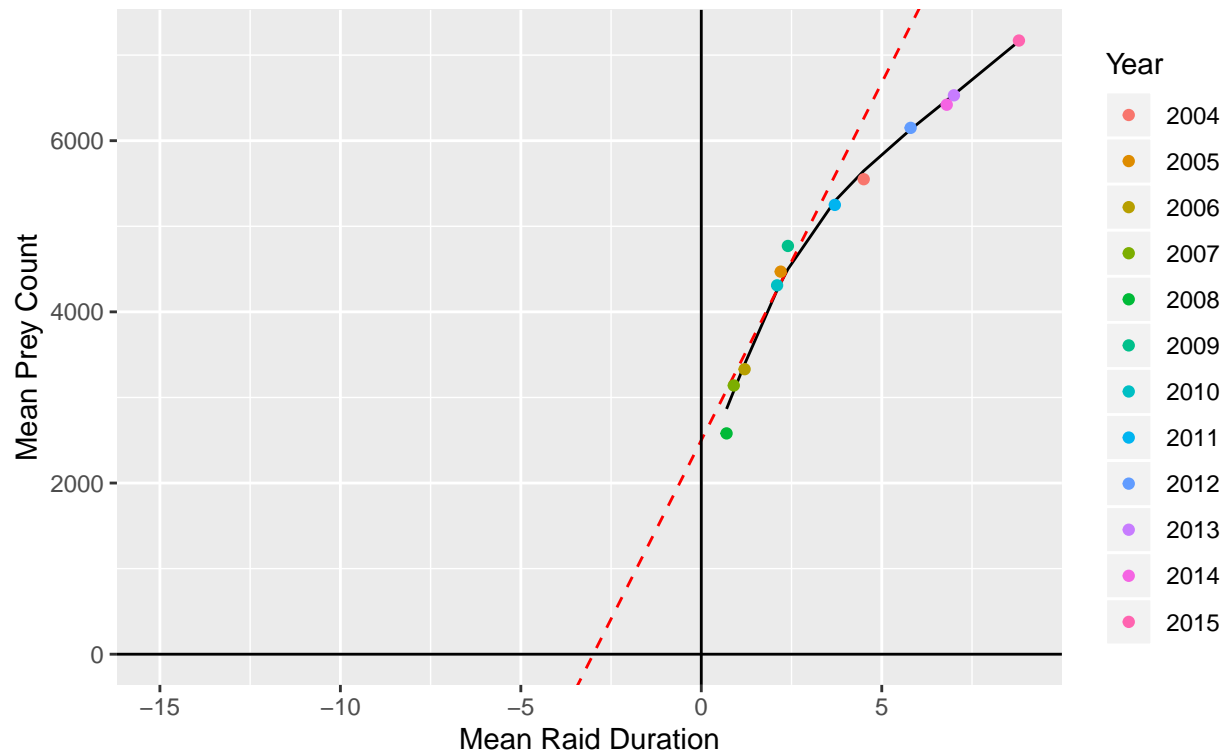### Average Search Time 2004

2c)

$$y = 405.4633431 * x + 3822.7461507$$

Average search time 2004: -9.4280931

Marginal Value Theorem Model
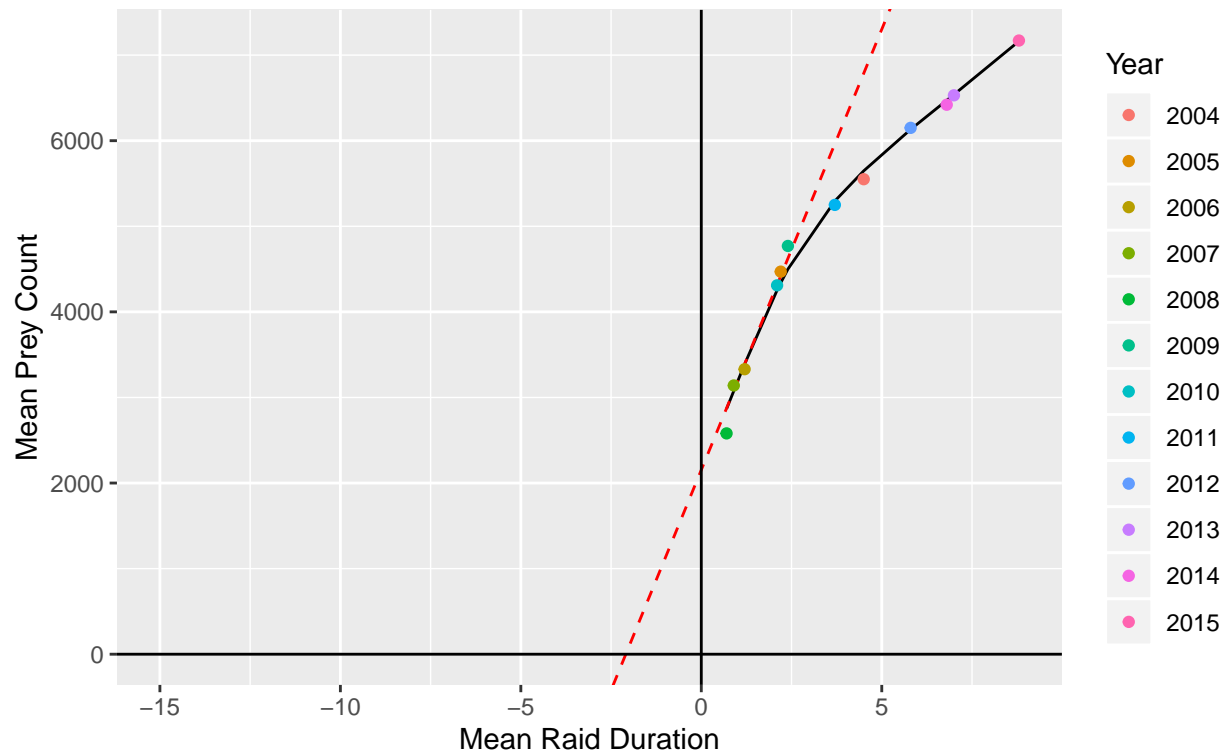
Average Search Time 2005

$$y = 835.3290656 * x + 2500.7163853$$

Average search time 2005: -2.9936901

Marginal Value Theorem Model
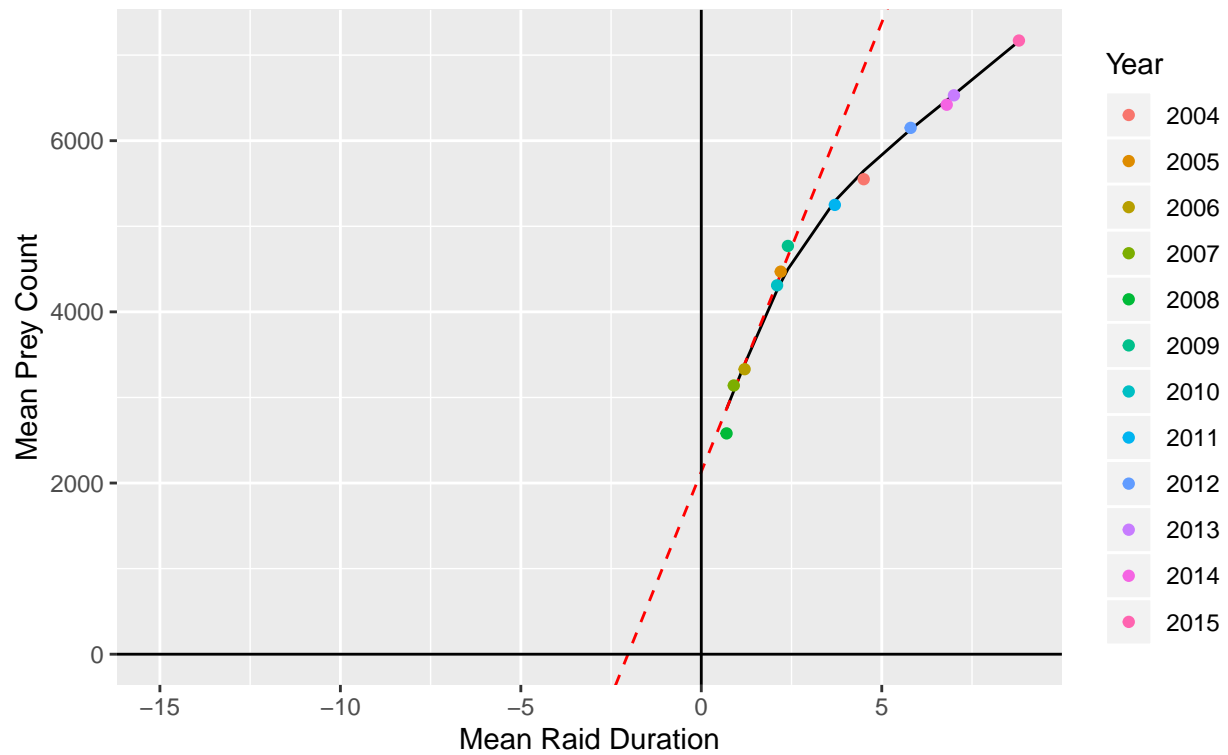### Average Search Time 2006

$$y = 1029.5217748 * x + 2153.4255667$$

Average search time 2006: -2.0916756

Marginal Value Theorem Model
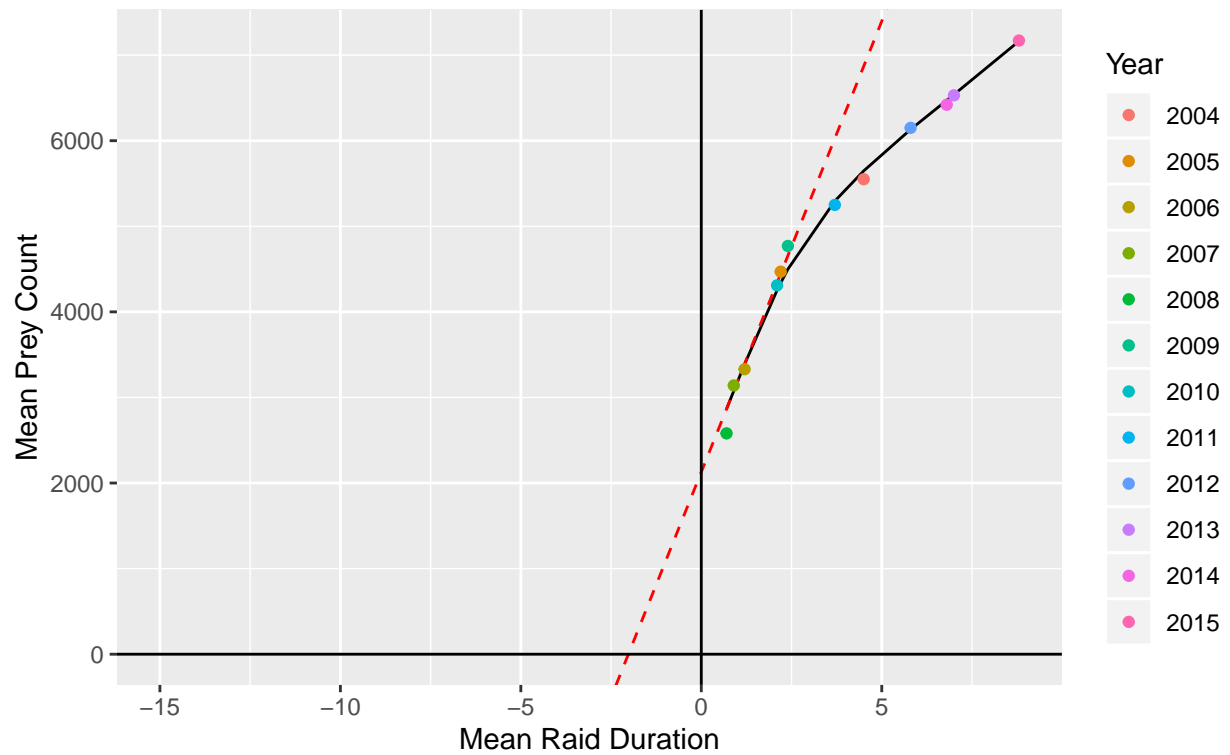## Average Search Time 2007

$$y = 1049.452249 * x + 2132.1331177$$

Average search time 2007: -2.0316628

Marginal Value Theorem Model
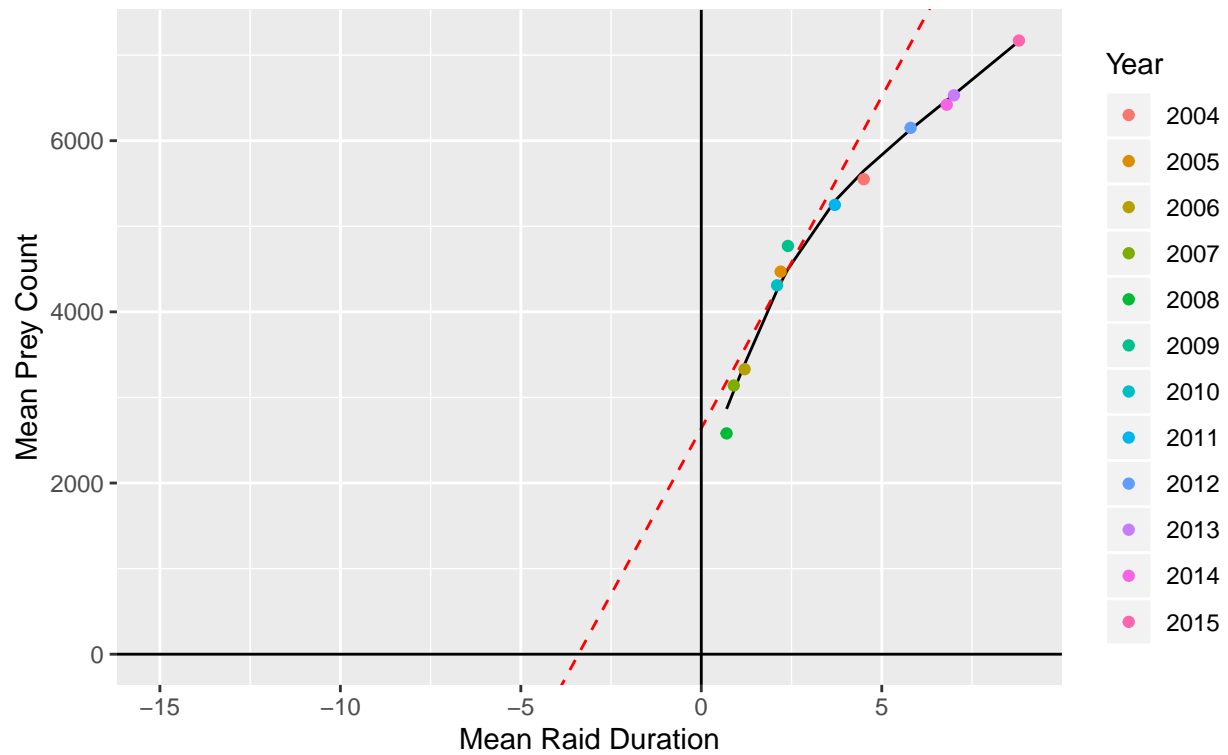
Average Search Time 2008

$$y = 1053.6513545 * x + 2128.6333268$$

Average search time 2008: -2.0202445

Marginal Value Theorem Model
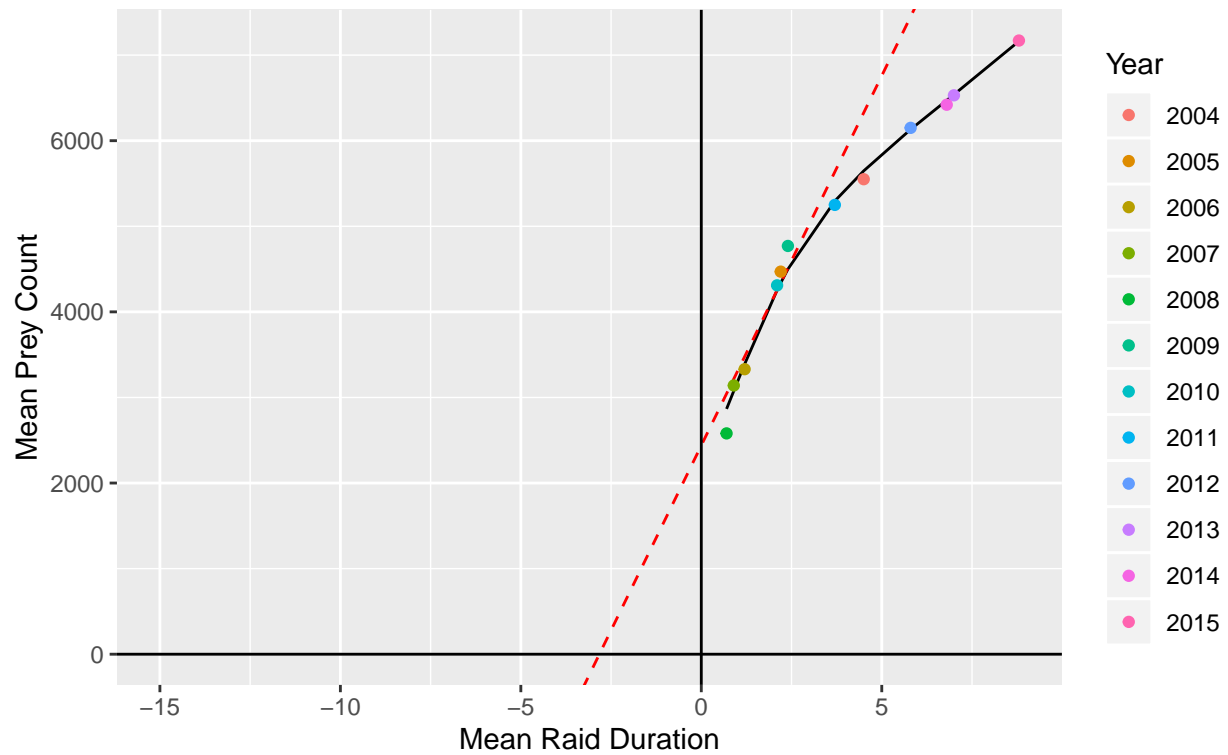
Average Search Time 2009

$$y = 775.2340777 * x + 2638.981784$$

Average search time 2009: -3.4041096

Marginal Value Theorem Model
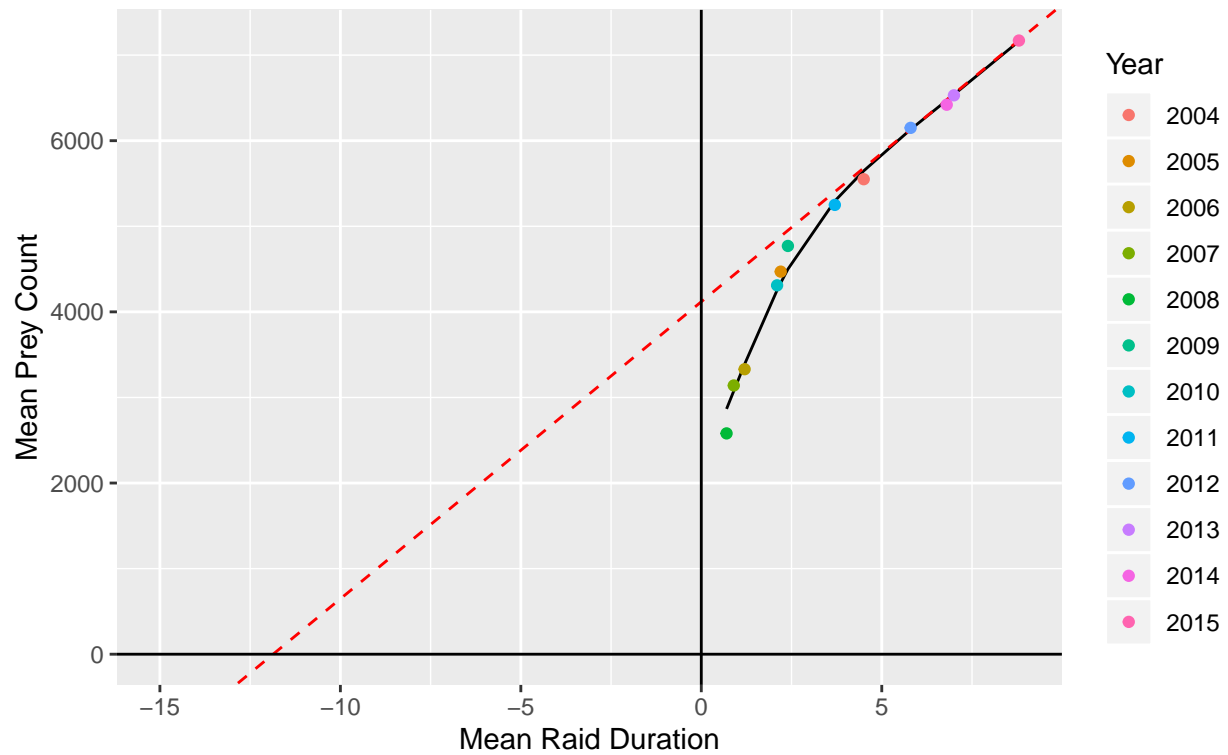
Average Search Time 2010

$$y = 863.8670307 * x + 2439.3463332$$

Average search time 2010: -2.8237521

Marginal Value Theorem Model
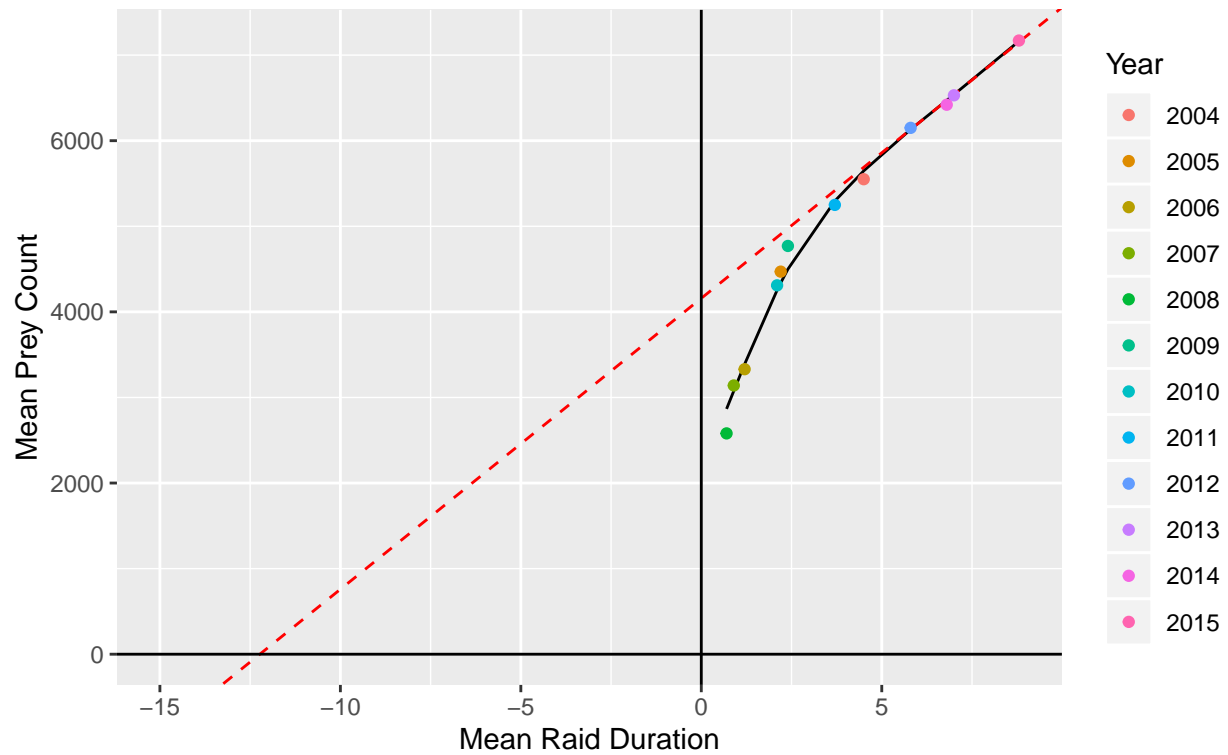### Average Search Time 2012

$$y = 347.1433772 * x + 4118.4678901$$

Average search time 2012: -11.8638815

Marginal Value Theorem Model
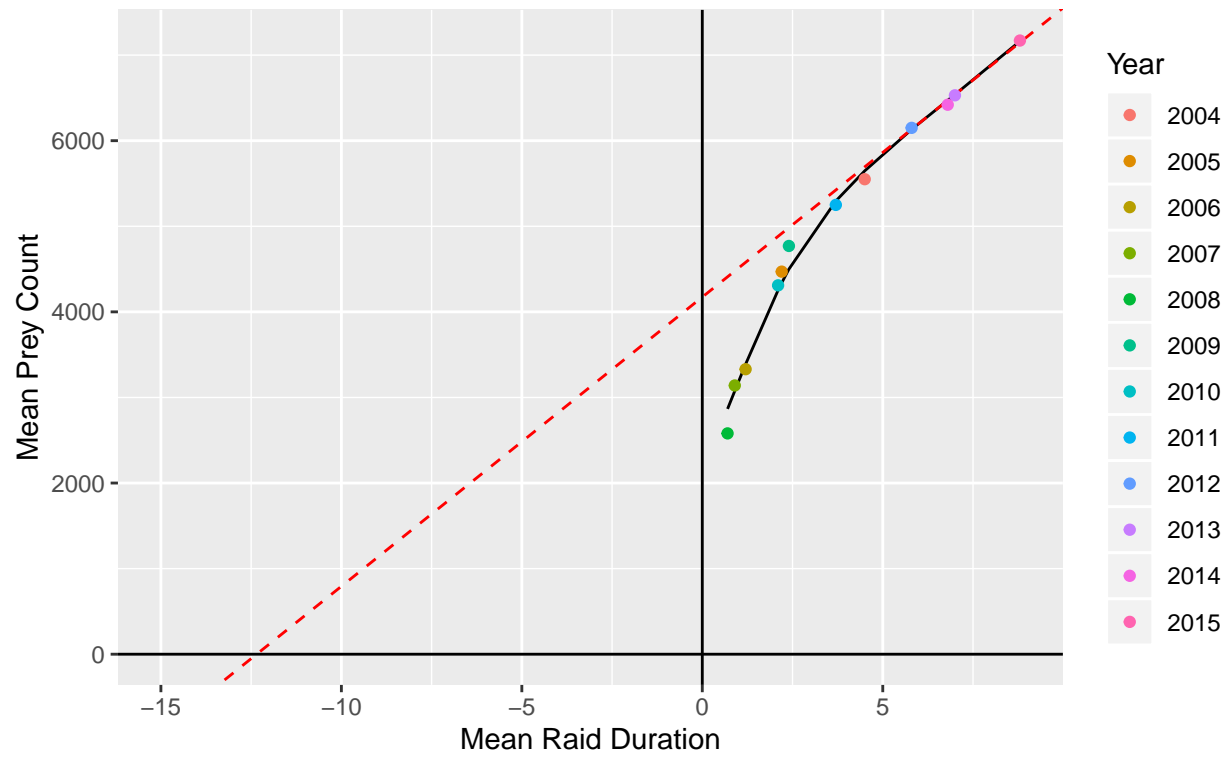
Average Search Time 2013

$$y = 340.0293203 * x + 4158.8470227$$

Average search time 2013: -12.2308483

Marginal Value Theorem Model
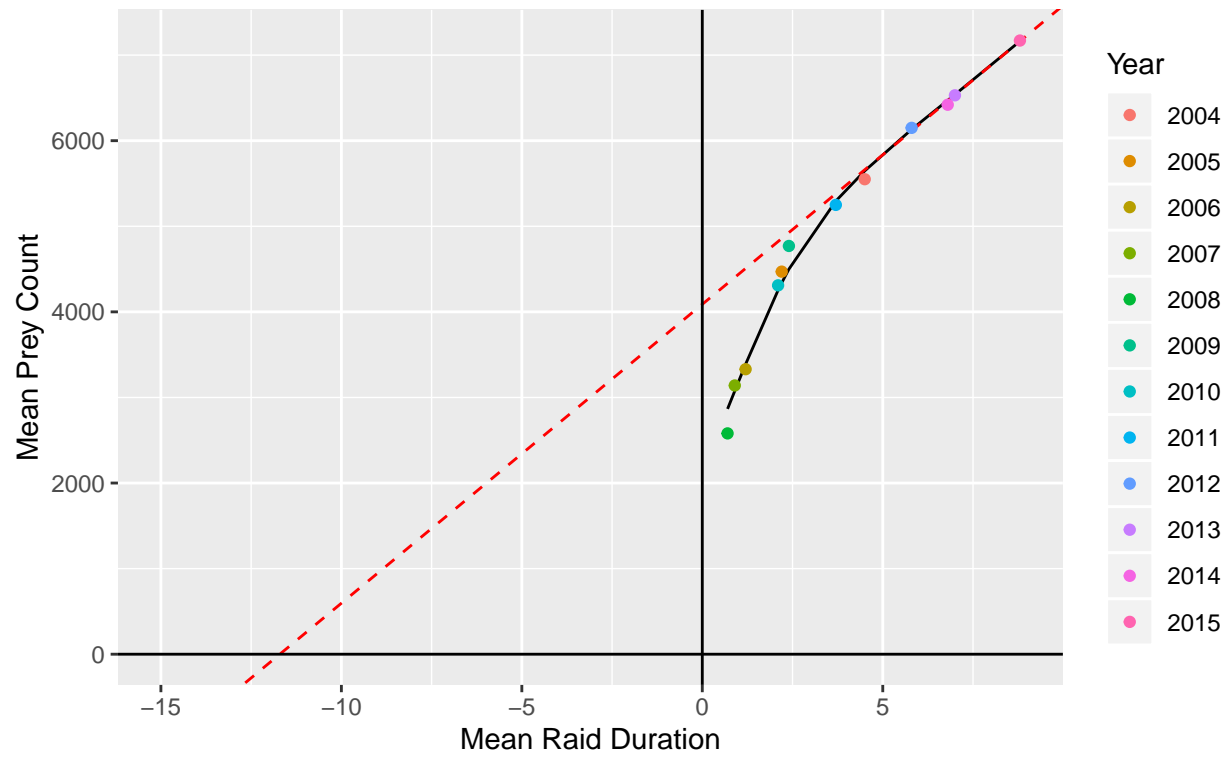
Average Search Time 2014

$$y = 337.987151 * x + 4172.9385625$$

Average search time 2014: -12.3464414

Marginal Value Theorem Model
Average Search Time 2015

$$y = 349.2797704 * x + 4088.5534975$$

Average search time 2015: -11.7056693