

Enlist 2019

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Filter

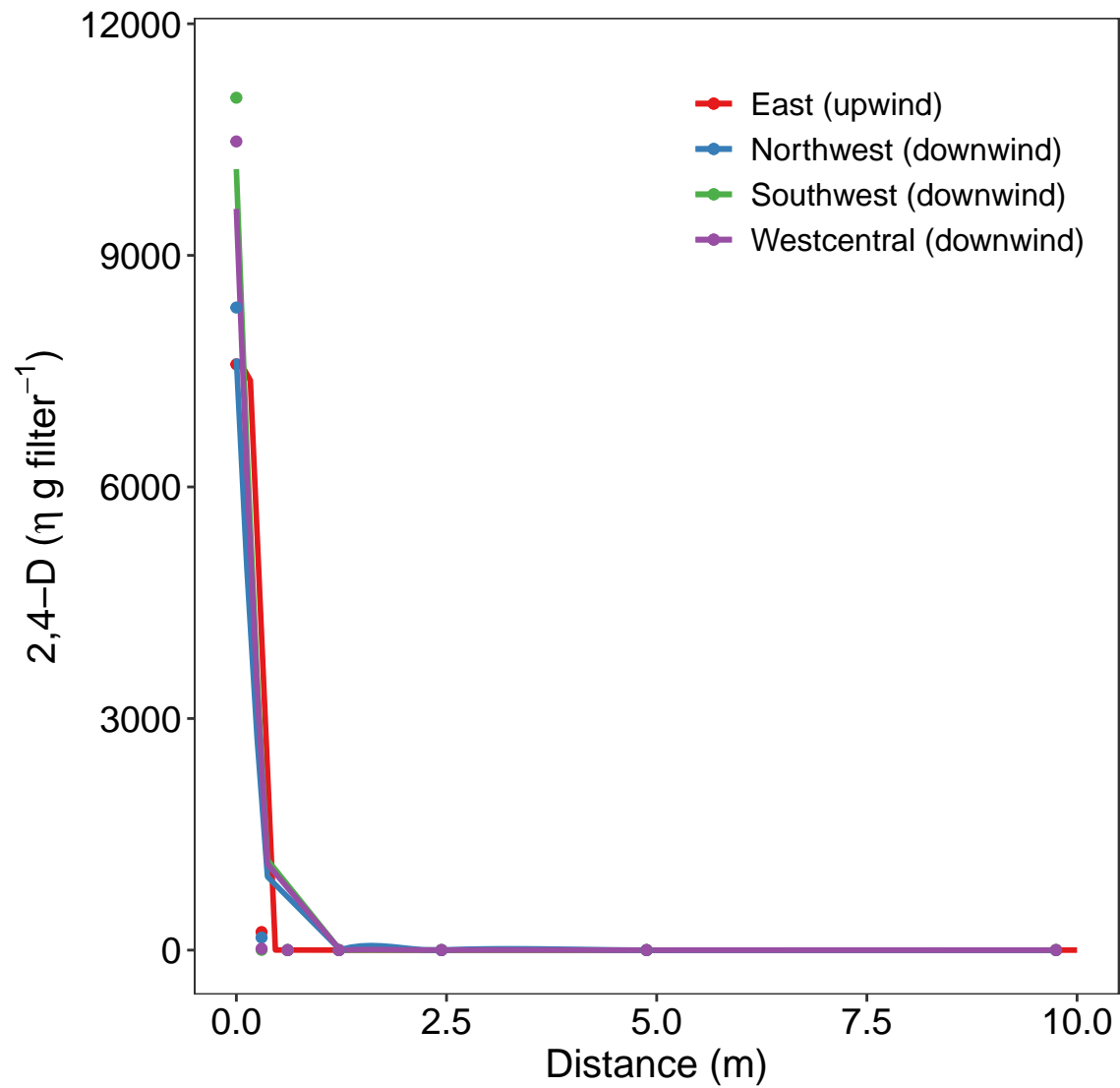
Parameters

East is the only one with model convergence.

```
##
## Model fitted: Log-logistic (ED50 as parameter) with lower limit at 0 (3 parms)
##
## Parameter estimates:
##
##           Estimate Std. Error   t-value   p-value
## b:(Intercept) 1.1960e+01 1.2945e-02    923.87 8.236e-12 ***
## d:(Intercept) 7.5878e+03 2.3832e-02 318382.49 < 2.2e-16 ***
## e:(Intercept) 2.2486e-01 7.0098e-05   3207.73 5.665e-14 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error:
##
## 0.02383224 (4 degrees of freedom)
```

Distance for 50% and 99% reduction

```
##
## Estimated effective doses
##
##           Estimate Std. Error
## e:1:50 2.2486e-01 7.0098e-05
## e:1:99 3.3019e-01 3.4548e-05
```



Injury

Parameters

South did not converge.

```
##
## Model fitted: Log-logistic (ED50 as parameter) with lower limit at 0 (2 parms)
##
## Parameter estimates:
##
##      Estimate Std. Error t-value  p-value
## b:N-1 2.014069   0.315793   6.3778 4.438e-10 ***
## b:N-2 1.887030   0.261118   7.2267 2.115e-12 ***
## b:N-3 1.327407   0.256081   5.1835 3.286e-07 ***
## e:N-1 0.675136   0.061791  10.9261 < 2.2e-16 ***
## e:N-2 0.589855   0.064704   9.1162 < 2.2e-16 ***
```

```
## e:N-3 0.295709 0.089775 3.2939 0.001066 **
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error:
##
## 0.4626417 (453 degrees of freedom)
```

Distance for 50% and 99% reduction

```
##
## Estimated effective doses
##
##           Estimate Std. Error
## e:N-1:50 0.675136 0.061791
## e:N-1:99 6.610567 1.970758
## e:N-2:50 0.589855 0.064704
## e:N-2:99 6.734403 1.786835
## e:N-3:50 0.295709 0.089775
## e:N-3:99 9.424832 3.942301
##
## `geom_smooth()` using method = 'loess' and formula '"auto"'
## `geom_smooth()` using method = 'loess' and formula '"auto"'
```

