Economic Output and Risk Factors

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What is the relationship between health risk concentrations and economic output?

Calculate correlations between environmental exposures and farm sales (and/or other econ. variables) to understand economic linkages. A p-value of 0 reflects that it is statistically impossible to reach these results under a true null hypothesis.

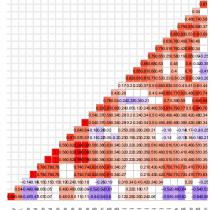
The values used as variables of economic output are listed below.

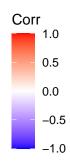
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## [[1]]
   [1] "commodity_totals_sales_measured_in_$"
   [2] "commodity_totals_sales_measured_in_$_operation"
##
   [3] "crop_totals_sales_measured_in_$"
   [4] "animal_totals_incl_products_sales_measured_in_$"
##
   [5] "commodity_totals_operations_with_sales"
    [6] "farm_sales_(less_than_2500_$)"
##
##
   [7] "farm sales (2500 to 4999 $)"
   [8] "farm sales (5000 to 9999 $)"
##
   [9] "farm_sales_(10000_to_24999_$)"
## [10] "farm sales (25000 to 49999 $)"
## [11] "farm_sales_(50000_to_99999_$)"
## [12] "farm_sales_(100000_or_more_$)"
## [13] "income_farmrelated_operations_with_receipts"
## [14] "income_farmrelated_receipts_measured_in_$"
  [15] "income_net_cash_farm_of_operations_operations_with_net_income"
  [16] "income_net_cash_farm_of_operations_net_income_measured_in_$"
  [17] "income_net_cash_farm_of_operations_net_income_measured_in_$_operation"
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Below are a series of correlation plots between variables of economic output and different weather/natural disaster predictors.

Correlation Plot: Drought



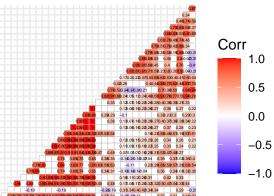




Drought. Annualized Frequency
Drought. Exposure. Imposted Area sequit.
Drought. Exposure. Agriculture Value
Drought. Exposure. Agriculture Value
Drought. Exposured Annual Loss. Annual Area Drought. Exposured Annual Loss.

Correlation Plot: Heat Wave

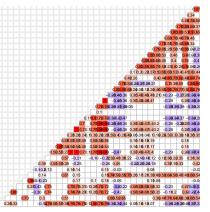


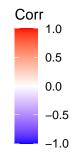


Heat Witne, E. Forgerd, March Candonia, Jane Heat Witne, E. Forgerd, March March C. Stooden, T. Molan Heat Witne, E. Forgerd, March March

Correlation Plot: Wildfire



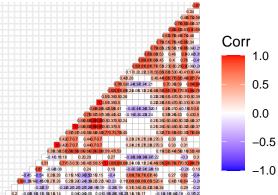




Wildine, Exposure, Impactor, Equated Area, say in Middle, Exposure, Equation, Equation of Middle, Exposure, Equation, Equation of Middle, Exposure, Equation, Equation of Middle, Exposure, Andron of Middle, Exposured Annual Loss, Pagin and Middle, Exposured Annual Loss, Andron of Middle, Exposured Annual Loss, Annual

Correlation Plot: Winter Weather

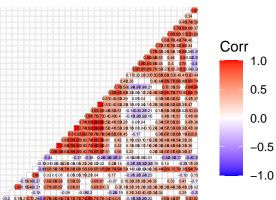




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Correlation Plot: Cold Wave





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Correlation Plot: Hail

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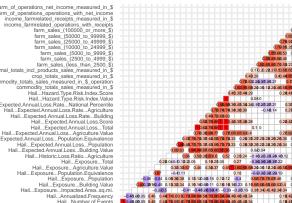
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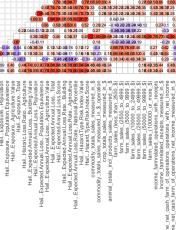
0.5

0.0

-0.5

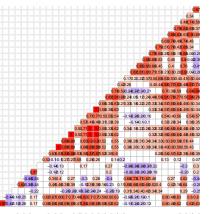
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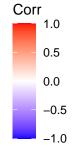




Correlation Plot: Ice Storm



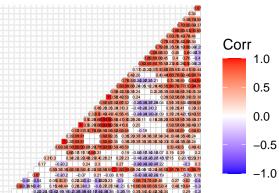




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Correlation Plot: Strong Wind

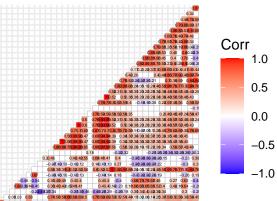




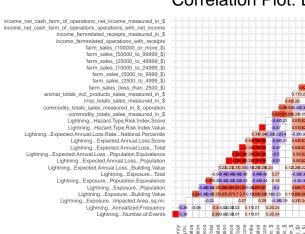
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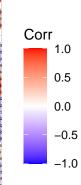
Correlation Plot: Tornado





Correlation Plot: Lightning





Lighting — Amendez Frequency
Lighting — Exposure — Impacted Area agrin
Lighting — Exposure — Population
Lighting — Exposure Armal Loss — Population
Lighting — Exposure Armal — Population
Lighting — Exposure — Population
Lighting — Exposure — Population
Lighting — Exposure — Population
Lighting — Exp

Correlation Plot: Avalanche

