// Provide a list of Atlantic hurricanes since 2005

// Also show NE and NCP data, also from beginning of files

HurricaneList

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Irene 2011

Jose 2011

Katrina 2005

Lee 2005

Maria 2005

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// Interactive toggle display of individual hurricanes

-> Touching individual row makes it only one shown. Hovering highlights.

-> Clicking again on selected row deselects it.

-> Provide multi-select option.

// Filter such a list by all/year/individual/top5or10-max-wind-speed.

// Filter based on landfall/max-wind-speed/minimum-pressure

FilterHurricaneList |

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\* All |

\* Year: 2005 - 2015 |

\* Max-Wind-Speed: Top-5, Top-10

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-> Setting filter affects items shown in HurricaneList

// Order hurricanes by time/name/max-wind-speed.

OrderHurricaneList

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\* Time |

\* Name |

\* Max-Wind-Speed |

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-> Setting order affects order of items shown in HurricaneList

// Hurricanes should be seen on map as path.

// Somehow visualize hurricanes, even those without data

// Show wind-speed and pressure overlayed

// Change underlying map representation

// Pan/zoom/reset view of map

// Show quadrant wind-speed data

// Heat map of badness

Map |

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// Show hurricane positions on day

Timeline |

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2004 2005 |

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-> Selecting a day changes visualization of all hurricanes to show current position.

// Pick hurricane season and playback

-> Allow selection of predefined ranges on the timeline for playback.

// Overview graph showing number of hurricanes/year since 2005

// Seperate overview graphs for both datasets

// Show monthly distribution of hurricanes,

along with filters for max-wind-speed/min-pressure/dataset

HurricaneCountGraph

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2005 2010 2015

// Show line graph of max-wind-speed/min-pressure of visible

current year hurricanes over time.

HurricaneIntensityGraph

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2005 2010 2015 |

// 5 Favourite hurricanes

\* Describe on the board