MATLAB EXPO

How to turn your script into a simple app

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Download demo source code

https://github.com/mathworks/how-to-turn-your-script-into-a-simple-app

	Editor - /Users/mhirsch/Library/CloudStorage/OneDrive-MathWorks/mfiles/	Demos/How to turn your script into a simple app/SeaSurfaceTemperatureScript.m
EDITOR	PUBLISH VIEW	S _x C _x 2 _x 🔚 🔏 🛍 🛅 🗇 🗇 💽 📀
New Open	Image: Compare ▼ Image: Compare ▼ Save Brint ▼ Go To Go To Go To Refactor Image: Compare ▼ Image: Compare To	Section Break Run and Advance Run to End SECTION RUN
SeaSurfaceTemperatureScript.m x +		
2 3 4 5	<pre>%% Sea Surface Temperature % Select and load data file file = "Pacific.mat"; % Pacific.mat, NorthAtlar load(file)</pre>	Sea Surface Temperature
6 7 8 9 10 11 12	<pre>%% % Create a map of the sea surface temperature Year = 2010; sstmap(lat,lon,sst,t,Year); sstmaptitle(file,Year)</pre>	Year 1993 ✓ Animate by year? Pacific Sea Surface Temperi 《 ♥ ♥ ♥ ♥ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
13 14 15 □ 16 17 18 19	<pre>%% Temperature Trends % View the annual trends in temperature changes over % dataset. Black dots indicate values where the chang % as determined by a simple Mann-Kendall test. ssttrend = trend(sst); % Annual trend sig = mann kendall(sst); % Statistical significant</pre>	40 30 20 9 10 10 115 0 10 10
20 21 22 23 24 25	<pre>sig = mann_kendall(sst); % Statistical significan(%% trendmap(lon,lat,ssttrend,file,t); % Stipple</pre>	-20 -30 -40 -50 -160 -140 -120 -100 -80
26 27	<pre>showstipple = true; % Show statistical significan(if showstipple Zoom: 100%</pre>	UTF-8 LF script Ln 15 Col 38

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Thank you



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