

Make a world

Overview of break-out group

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Make a world

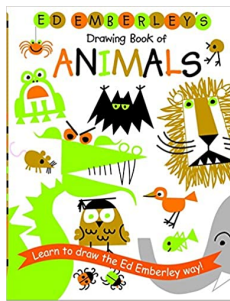
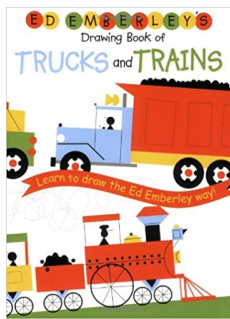
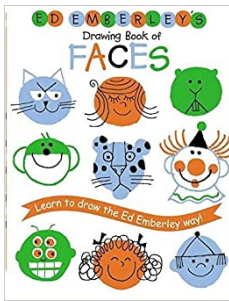
Using simple shapes, Ed Emberley shows would-be artists how to draw over 400 things, such as an airplane, anteater, submarine, train, kangaroo, gondola, and much much more!



says Amazon, [the original book was published in 1972](#)

Make a world

As many good and profitable things, it has developed into a saga



W: https://en.wikipedia.org/wiki/Ed_EMBERLEY

berley - Wikipedia

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- *Drummer Hoff* 1968 (Illustrator)
- *Ed Emberley's 8 Nature Adventures*
- *Ed Emberley's ABC* 1975
- *Ed Emberley's Big Green Drawing Book*
- *Ed Emberley's Big Orange Drawing Book*
- *Ed Emberley's Big Purple Drawing Book*
- *Ed Emberley's Big Red Drawing Book*
- *Ed Emberley's Christmas Drawing Book*
- *Ed Emberley's Crazy Mixed-Up Face Game*
- *Ed Emberley's Drawing Book: Make a World* 1972
- *Ed Emberley's Drawing Book of Animals*
- *Ed Emberley's Drawing Book of Faces*
- *Ed Emberley's Drawing Book of Trucks and Trains* 2002
- *Ed Emberley's Drawing Book of Vehicles*
- *Ed Emberley's Fingerprint Drawing Book* 2001
- *Ed Emberley's Great Thumbprint Drawing Book*
- *Ed Emberley's Jumbo Book of Drawing Activities*
- *Ed Emberley's Little Book of Drawing Farms*
- *Ed Emberley's Little Drawing Book of Traits*
- *Ed Emberley's Picture Pie*
- *Ed Emberley's Seasonal Drawing Book*

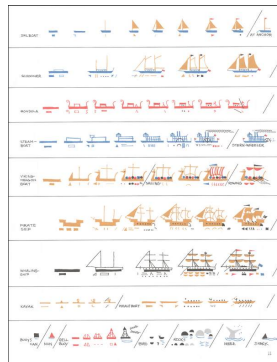
- *Meet the Computer* (Illustrator)
- *Moon Swims to Change* (Illustrator)
- *One Wide River to Cross* 1987
- *Simon's Song* (Illustrator)
- *Squiggles, Dots and Lines*
- *Straight Hair, Curly Hair* (Illustrator)
- *Suppose You Met a Wren* 1973 (Illustrator)
- *Thames Idiom*
- *The Ant and the Grasshopper* (Illustrator)
- *The BASIC Book* (Illustrator)
- *The Big Dipper* (Illustrator)
- *The Bottom of the Sea* 1966 (Illustrator)
- *The Fisherman and his Wife* unfinished (Illustrator)
- *The Guller Tailor unfinished* (adapter and Illustration)
- *The Lion and the Mice* (Illustrator)
- *The Red Hen* 2010
- *The Story of Paul Bunyan* (Illustrator)
- *The Wagon on a Pole* 1961
- *The Wizard of Oz*
- *There Was an Old Lady* unfinished (Illustrator)
- *There Was an Old Woman* 2006 (Illustrator)

Make a world - overview

The breakout group will introduce some basic concepts for simulating observations using R

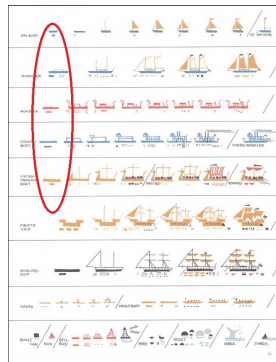
Make a world - overview

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I will show some simulations on estimating the number of apples in an orchard (something I wanted to do as part of the [TESA webinars](#) that we did in October 2018 for participants to prepare for the Intro to Stock Assessment course)

In putting the [notebook for this section](#) together (and looking at the participants list) I realised that it is perhaps basic for this workshop, so could provide a gentle introduction to the workshop

Fish growth

I will share some current ideas I am interested in exploring regarding fish growth and the ageing of fish using otoliths

How many otoliths do we need to age in order to get the information we want about fish growth?

What are the trade-offs of looking at yearly growth increments instead of just collecting age-length pairs?

This section is much more open-ended, and in reality I am looking for help, guidance and ideas to pursue this topic further

Collaboration on the GitHub repository sim-make-a-world

Clone or fork the [sim-make-a-world repository](#) which contains all the resources associated with the breakout group

I am hoping to stimulate conversations, bounce ideas around, foster potential collaborations, and learn from the wealth of expertise of the workshop attendees

Topics to discuss and debate

What are the key ingredients necessary to take a simulation study from “just an idea” to an interesting, replicable and defensible analysis

Because the simulated world is infinite, where to draw the line? What are the major pitfalls to avoid in order to successfully turn a simulation study into a useful product?