

Feasible-fishing takeaways

Here we have compared, over the range of $S \propto N$ explored, how draws from a Fisher logseries [which is one that emerges from either idealized neutral theory or METE - "minimally biological"] compare to a purely combinatorics based SAD.

And we find

- In most instances [99%] there's a difference in shape between the LS \neq FS.
- The direction of that shift reverses over $S \propto N$. Roughly, high $N/S \rightarrow$ logseries has LOWER hill than FS; lower $N/S \rightarrow$ LS has HIGHER hill than FS.

Nebulms ~ discussion points

- That general pattern tracks what I found in 2021 EL, \longrightarrow Gentry in comparison to others
- I wonder about statistical power
- I think the wilcox test method may be more sensitive than the %oile method.
One option there could be to do the comparison [draw a random SAD from the LS draws & compute its %oile, unfortunately this will require rerunning the pipeline]
- But if this holds, it means
 - 1) the LS encodes more bio. info than the FS