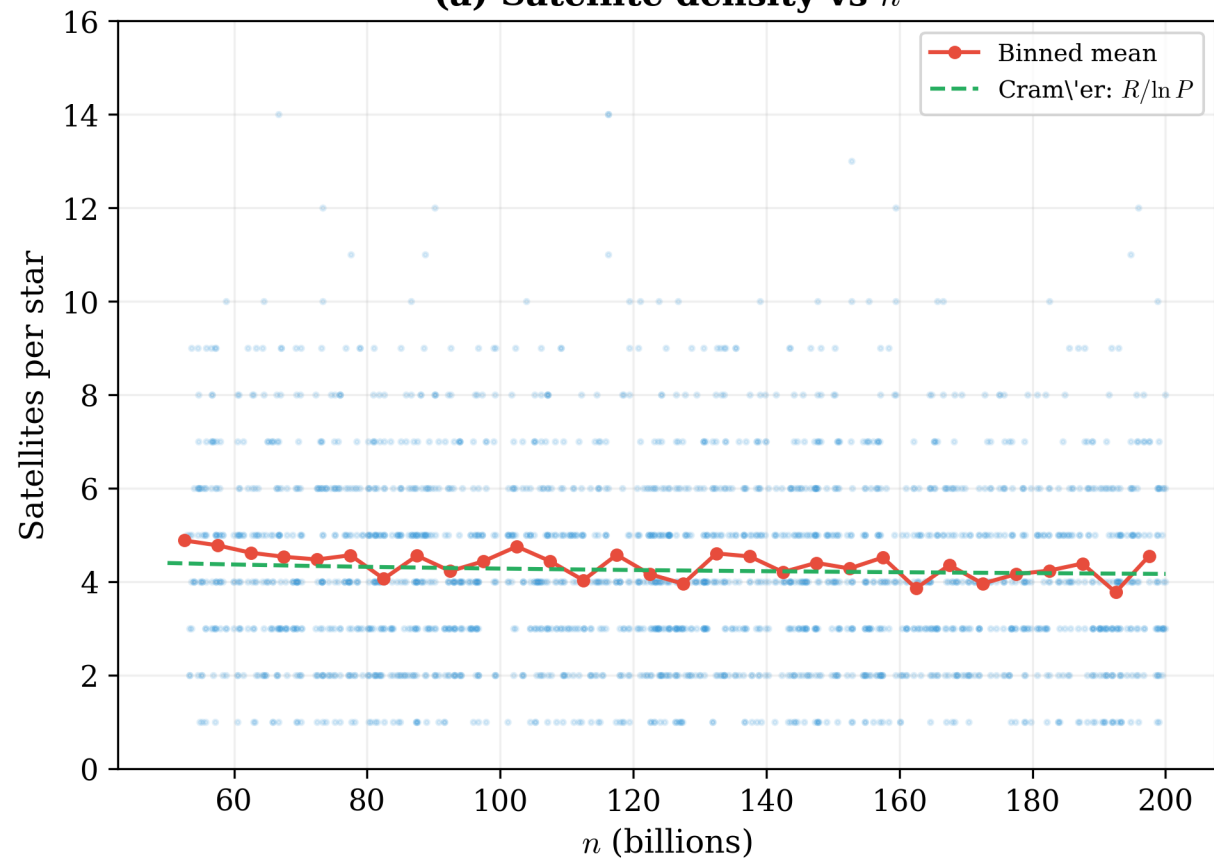


**(a) Satellite density vs  $n$** **(b) Cramér's ratio by region**