Business Intelligence Interview Exercise – ServiceNow

Hacker News (​https://news.ycombinator.com​) is a news aggregation site geared at the  
technology community. The site is a collection of links/stories submitted by users, and each  
story can be discussed by the Hacker News community in the comments’ forum.

You can find two CSV dumps of hacker news metadata here: <https://github.com/arnauddri/hn#dumps>.

Using this data and other outside information, please answer the following questions:

1. What's the growth rate of stories posted to Hacker News over time?
   1. What's the growth rate of comments?
   2. If you were the product manager of Hacker News, would you be concerned by the trends?
2. A big goal of Hacker News is to drive user/community engagement.
   1. Has the quality of comments increased over time?
   2. How can we estimate/forecast this?
3. What are the major websites that have links on Hacker News?
   1. What can we do with this information?
   2. What ideas do you have for driving additional user engagement to Hacker News?

Please come prepared with quantitative and qualitative analysis & insights to discuss your findings.

*Note: you’re welcome to use any BI/visualization tools to present your findings.*

P.S. here are some areas you could be tested on:

* Analytical and Business Intelligence background
* Cognitive agility
* Data mining / data visualization / data storytelling – best practices etc.
* Leadership experience (lead any projects, launch any tools, etc.)
* You will be asked to code in SQL
* Largest dataset you've processed (i.e. GBs, TBs)