Instruction

1) Please describe your experience designing/implementing data visualizations and animations of the visualizations. How many years of experience do you have? How often do you create visualizations and animations?

I have 2-3 years experience designing and implementing data visualizations. I do not have specific experience in animations. I worked on visualization projects intermittently; when I worked on something, I implemented vis on a daily basis. I did not create custom animations other than those supported in vis libraries.

Here are the different stages of visualization
LINK (ANONYMIZED TO GET REVIEW)

Imagine that you're an animation designer such that you want to design the animation for the transitions between the stages.

2) Please explain how you're going to animate the ***graphical components*** of the visualization with the ***timing information***?

From stage 1 to 2, I'll just need to continue drawing the trend up to 2017 and fade in the extra axis guidelines.
From stage 2 to 3, I'll change the axis range and continue drawing the trend, maybe simultaneously? I'm imagining that the trend will continue to touch the top-right corner and the x- and y-axis will continue to expand. After that, I'll add in the uncertainty information and the text.

3) Could you think of another animation design?

(You are free to assume: more/less number of data, shorter/longer animation time, different data distributions, the different number of cardinality (the number of categories), or the different message/task that you want to convey through the transition.)

Maybe from stage 2 to 3, I'll first change the axis range and then draw the trend, if animating simultaneously is too confusing. In this case, I can draw the line and the uncertainty band at the same time. I think it might be better if animation time is shorter.

Here is one version of the animation for the transitions.
LINK (ANONYMIZED TO GET REVIEW)

4) Please list the changes of the visualization ***graphic components*** along with the ***timing information***.

The dot of 1990 blinks for a while, and the line grows to 2017, then the text 2017 appears.
The dot of 2017 also blinks for a while, at the same time, the uncertainty band appears and the axis range changes. The line and band then continue to about 2090, and the texts appear.
The dot of 2070 blinks.