1. 1st draft:

<https://colab.research.google.com/drive/1EH-DgKBkJY7dsHPauysBhbcnNXUt8qnC?usp=sharing>

2. 2nd draft: : they are connected

<https://colab.research.google.com/drive/1rZKSn0XnRl08NIXXCyFKeOg-2d7utPIe?usp=sharing>

3. modeling phase

<https://colab.research.google.com/drive/1BO0feITn3UAuQOUqMqRH4-qFPdarQuNr?usp=sharing>