MATH3001: To Do List

**GITHUB**

* Instructions for the general public
* Personal GitHub page
* Upload email correspondences onto GitHub

(Needs formatting into more comprehensive form)

* Design group READ ME

(Will need updating)

**REPORT**

| CATEGORY | COMMENTS |
| --- | --- |
| DATA ANALYSIS | Don quadrant plot & FEV Calculation  Aire quadrant plot & FEV Calculation  Calder quadrant plot & FEV Calculation  Ouse quadrant plot (Skelton 2015, add calibration points and Clifton Ings Filling)  Estimate hT for Skelton 2015 and calculate FEV  Ouse quadrant plot (Skelton 2000)  Calculate hT for Skelton 2000 and calculate FEV |
| CONTENT  Available information to add | What are the return periods of all the floods?  Are estimated correct? Include line by line calculations for each FEV  Draw FEV’s relative to each other  Coefficients of rating curve and how it works. |
| CONTENT  Criticism of work | Limitations of calculating FEV: cost is not the only important factor for flood mitigation/management. Other concerns such as social/environmental.  Quality of raw data. Equipment, calibration  Methods for calculating hT and QT  Sampling location representativeness  hT changes with river bed.  Reliability of calculating QT from hT. |
| CONTENT  Visuals to add | Map of York, monitoring stations and locations of flood defences according to 5-year plan. |
| CONTENT  Expanding FEV model | Review existing work on quantifying flooding.  Quantifying FEV relative to return period  Box model (used in atmospheric chemistry)  Solution rating system prior to FEV analysis. Social, Environmental, Economic. |
| CONTENT  Wider questions to flooding | How is money allocated in UK for flood defences?  Who are the policy makers for councils?  How are flood mitigation scheme being designed? |
| FORMATTING | Pictures of graphs, figures and headers.  Referencing formatting  Consistency of units  Consistency of stage/height and discharge/flow throughout  Equation formatting /accurate  Make edits from comments.  Proof read |