Viewdist (http://genepi.qimr.edu.au/viewapps/)

> Plotting Program for quick visualisation of distributions Harry Beeby & Sarah Medland Queensland Institute of Medical Research

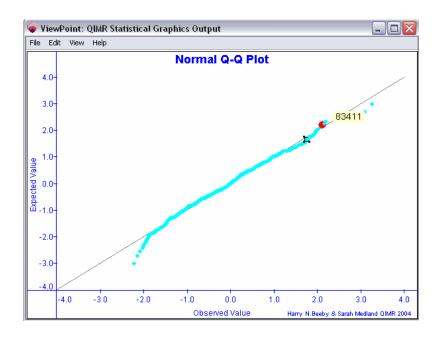


Designed for use with the Mx %p function

- Reads in %p or data files
- Produces QQ plots or distribution against itself
- Aim to help identify outliers
- Can read in %p files for two models and plot the difference between the two files
 - Useful for identifying per family contribution to a LOD score at a specific loci

Outlier detection QQ plots observed scores against the expected distribution (normal or chisquare)

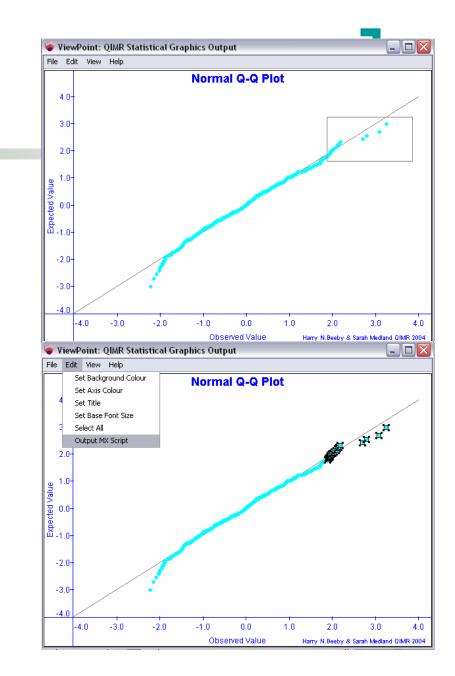
 The case identifier is shown as you pass the mouse over the data point



Can select multiple

- data points
- Output a text file containing Mx commands to exclude the selected cases
 - select if fam ^= 1234 ;
 - select if fam $^{=} 5678$;

select if fam $^{=} 9876$;



Working from a %p file

- Can graph Z score or Mahalanobis distance
- Can display the results for multiple models (max 6) if using the NModel option
 - Suits mixture distribution linkage approach
- Can graph raw data from a dat file
 - Requires user to specify the columns to be plotted
- Can customise the plot and change the expected distribution
- Results can be printed or saved as jpg

per case change in model fit

- If two %p files are read in using 'open difference files' the difference in -2LL can be calculated and plotted to determine which cases are contributing the most to change in chi-square
- Selecting these families and excluding them from the analysis can provide information regarding the robustness of the linkage finding

Input format

- Tab or Space delimited
- Required columns
 - Identifiers
 - o Data
- Optional Columns
 - Model (specify -1 if not included in data file)