1. Propose (non-exclusively) we have an interface with free standing functions
   1. 7/10/2/0/0
2. Propose (non-exclusively) we have an interface with an object to compose with standard algorithm
   1. 14/5/0/0/0
3. Propose that sorted data is not required
   1. 11/5/1/1/0
   2. Use a flag to control this (not the right interface)? Compile time property, never a runtime decision
   3. Functions should different name
   4. Boolean may be ok but with a tagged class
4. For algorithms where its relevant, support non-numeric data
   1. 9/6/3/0/0
   2. Range support with projections in C++20
   3. Mean can be numerical, but median can be float
   4. Std dev, variance, requires sq rt, and mult/add. So can be in concept, need a concept constraint T
5. Encourage (non-exclusively) authors to investigate to allow user to customize the data type used for the internal computation (small integer type for small number of items)
   1. 11/6/1/0/0
   2. Like std accumulate customize internal data type ala free function interface
   3. Can we reuse the same object
   4. Mode is most different of this group compile time configure if you also want to median and mean as they have different layout
6. Encourage (non-exclusively) authors to investigate api alternative to take advantage of situation where the data is not needed again (to allow inplace modification e.g.)
   1. 5/7/4/1/0
   2. Array of data and you know its not used again, then reuse the memory inplace
   3. Exposition on what mode and median actually do
7. Encourage authors to investigate supporting missing data, empty values, NaNs (possibly using an overload that take a functor for filtering)
   1. 6/8/1/0/0
   2. filter\_view and range support
8. Should allow user to indicate whether data has been sorted
   1. 12/6/1/0/0
   2. Special for median
9. Separate the mechanism for statistical moment from mechanism for mode, median,
   1. 5/3/5/1/0
   2. 1st and 2nd moments are alias for mean and std dev
   3. On the other side is mode and median
   4. Reasonable design for stats class template
   5. Description how much memory median algorithm need
   6. Mode needs allocation control