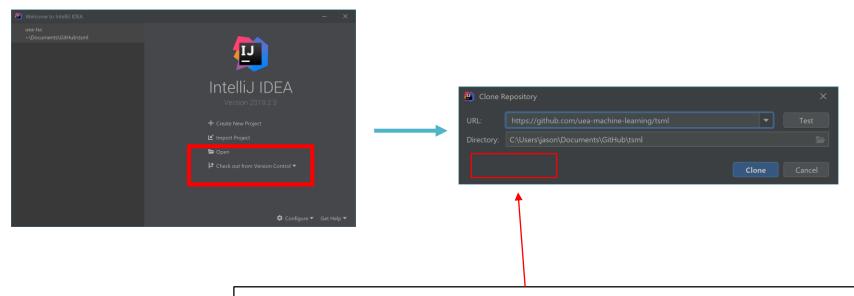
Building JARs with TSML in InteliJ



Prerequisites

Either:

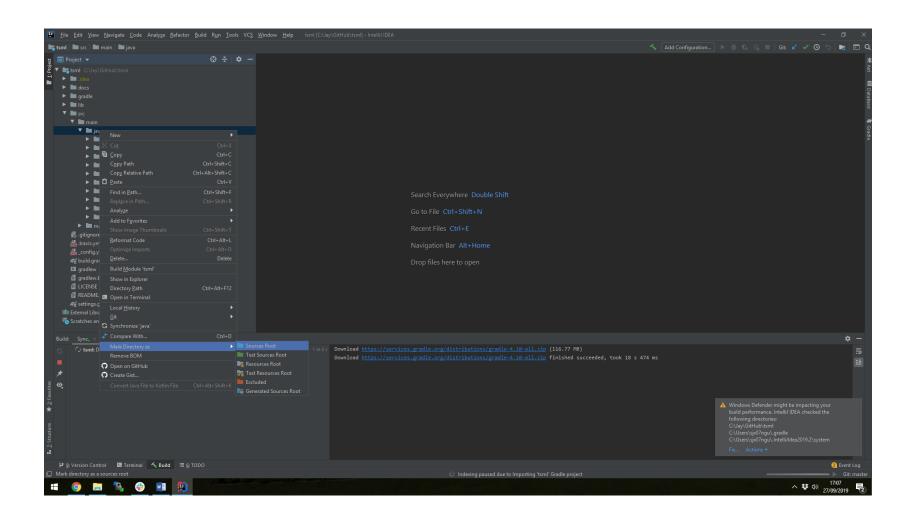
- 1. Download/check-out the tsml code manually and open in InteliJ
- 2. Clone directly from the InteliJ welcome screen



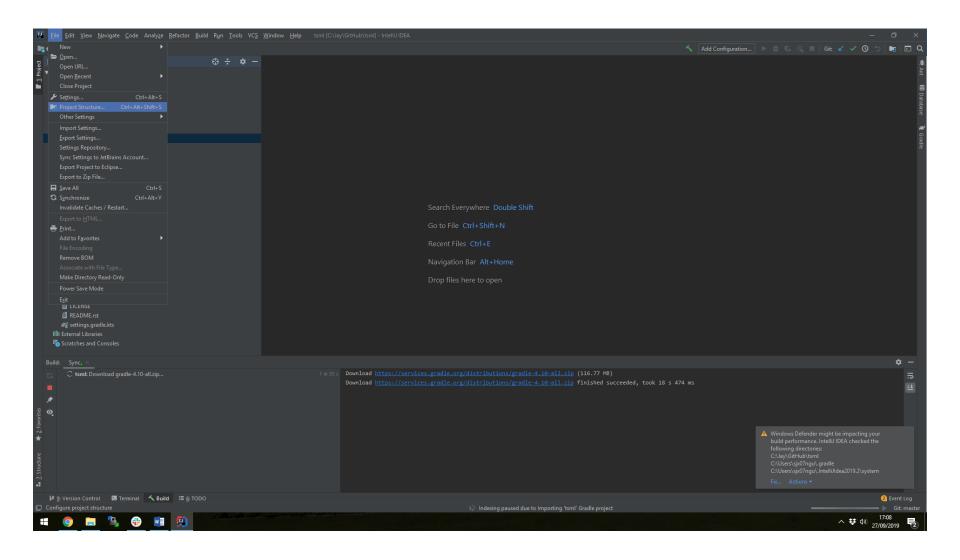
Note — I'm already logged into GitHub via InteliJ.

If not logged in, a button to do so will be here (recommended)

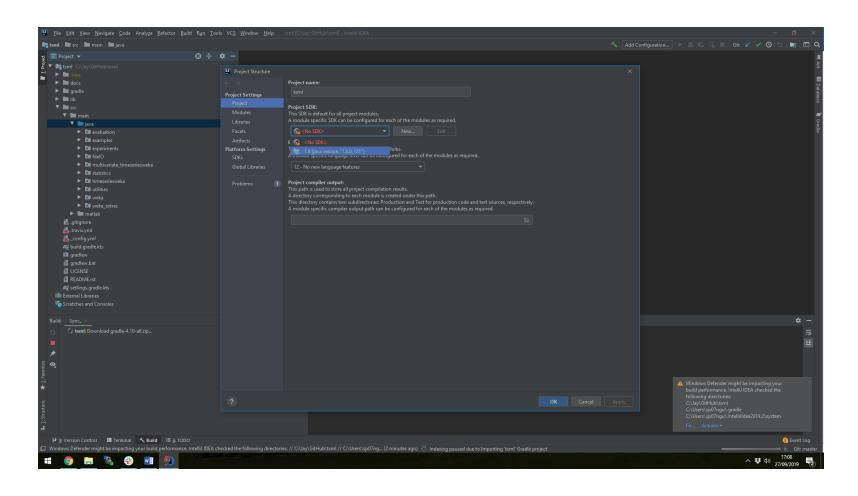
Once opened, right click tsml/src/main/java and click Mark Directory as Source Route (it should go blue afterwards - if it wasn't already)



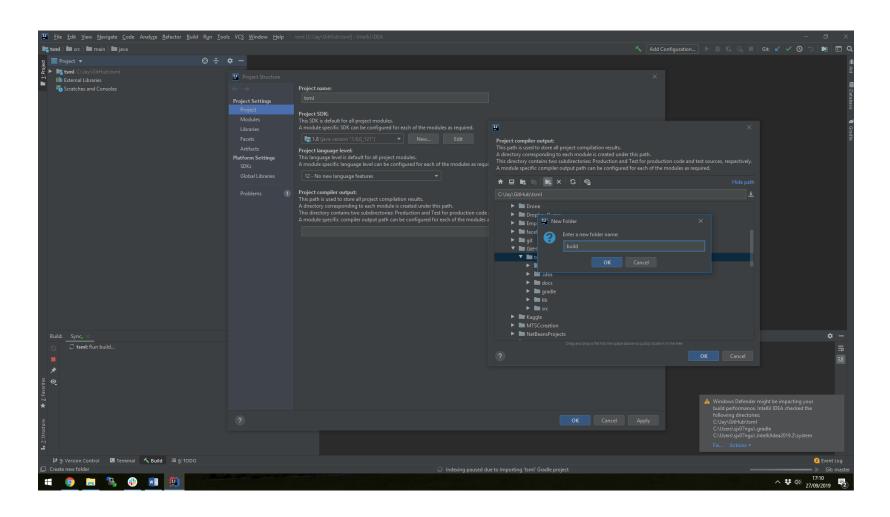
Click File -> Project Structure



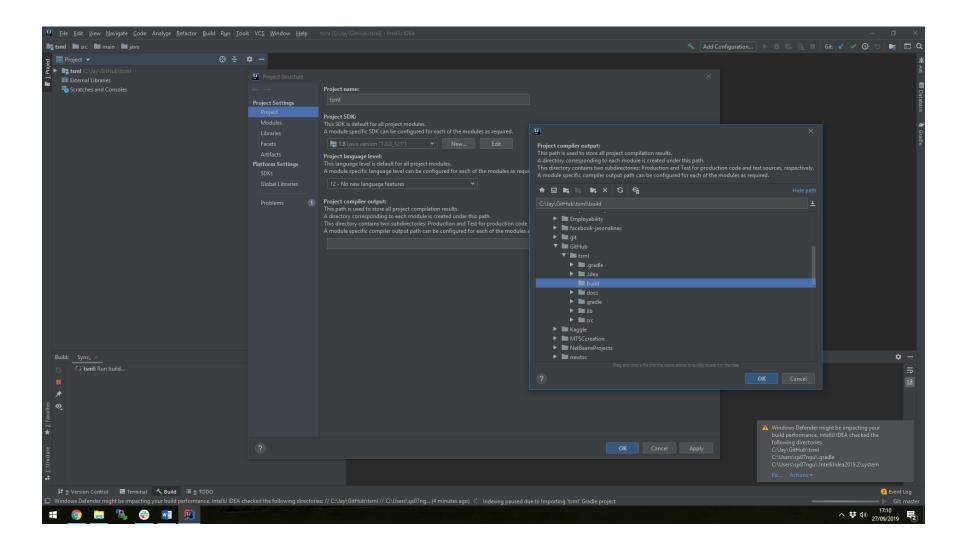
Set SDK (if not already set)



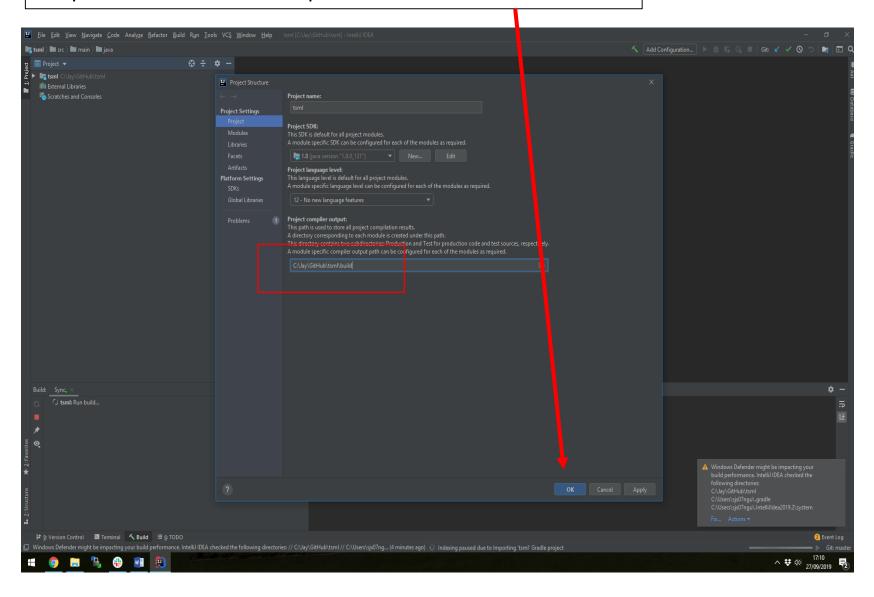
Project Compiler Output - set location for compiled class files (this example creates a folder called build to mirror NetBeans)



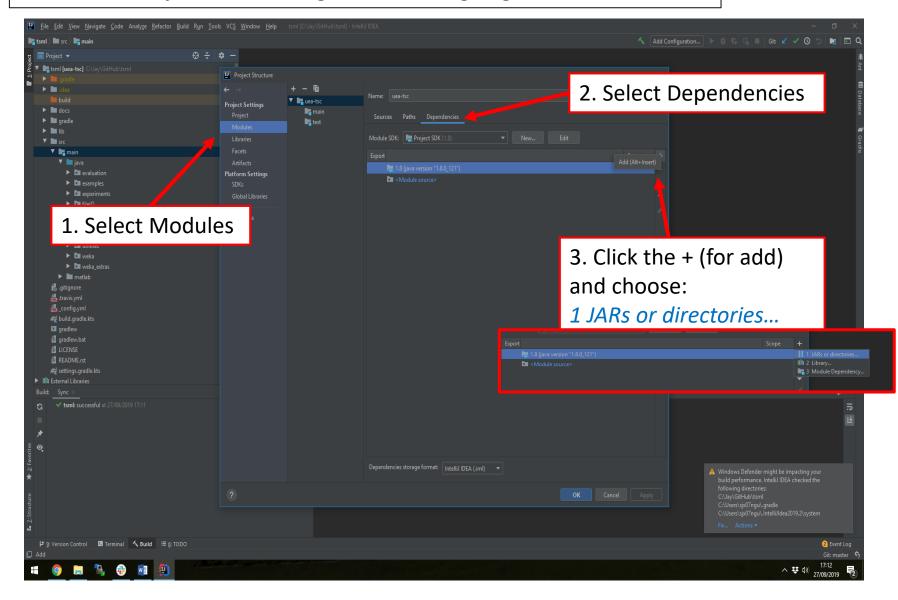
Confirm compiler output folder (build in this example)



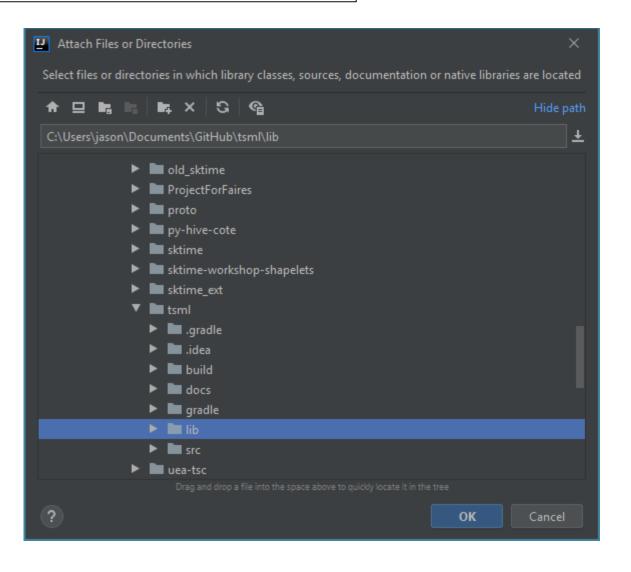
Output location should be updated now. Press OK to confirm



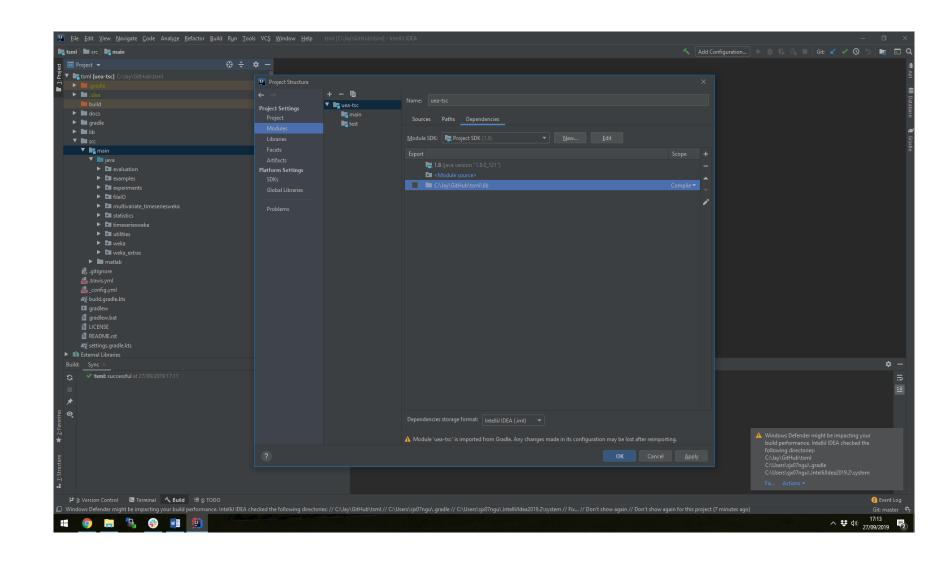
Click File -> Project Structure again, this time going to the Modules tab



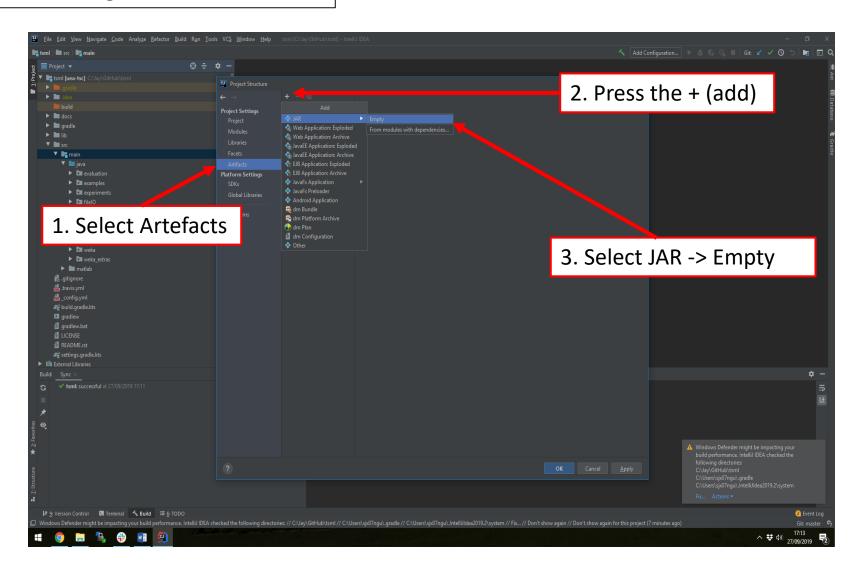
Choose the lib folder from tsml and press OK



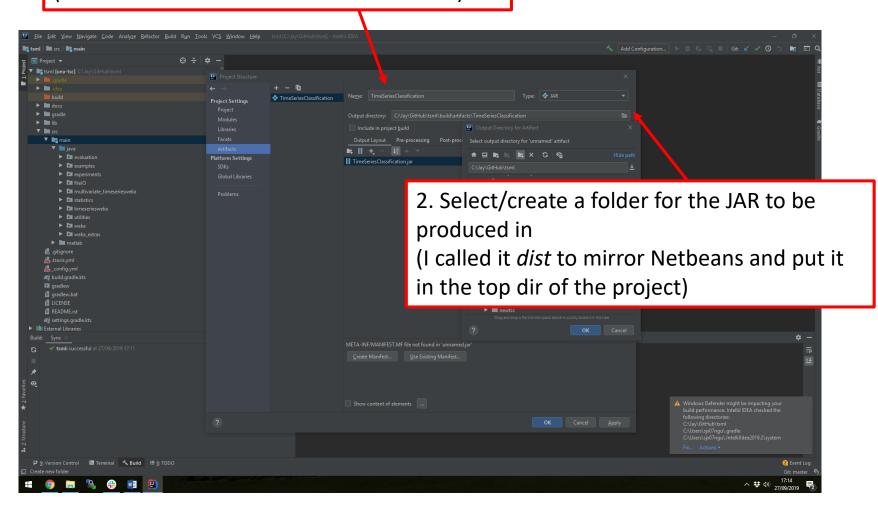
Lib should now be added to the list:



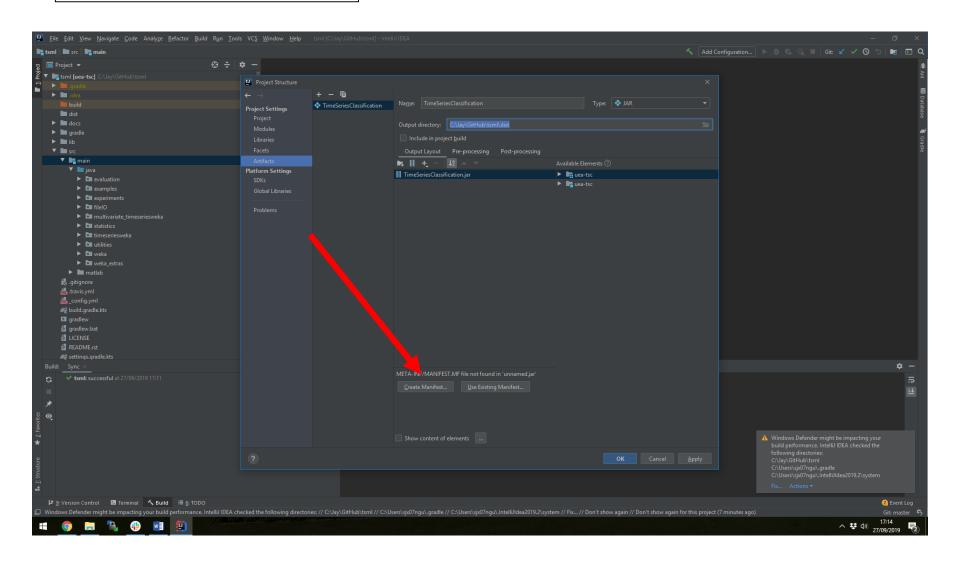
Now change to the Artefacts tab



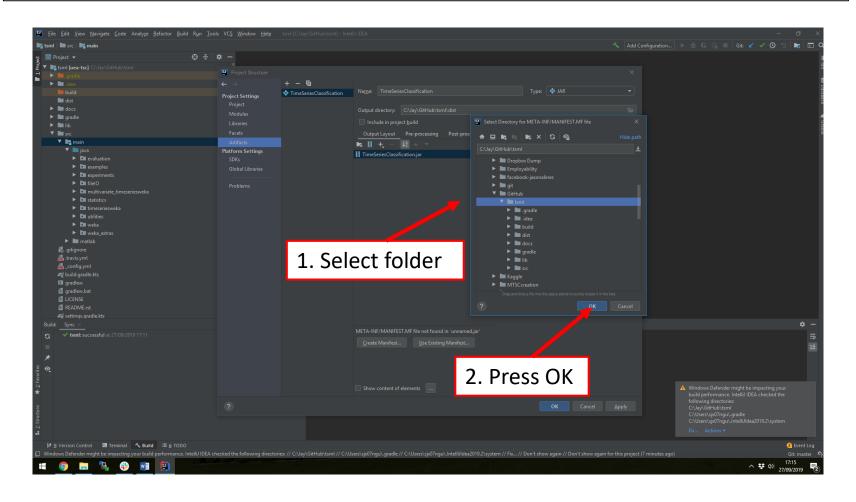
1. Rename what the output jar will be called (I went with TimeSeriesClassification.com)



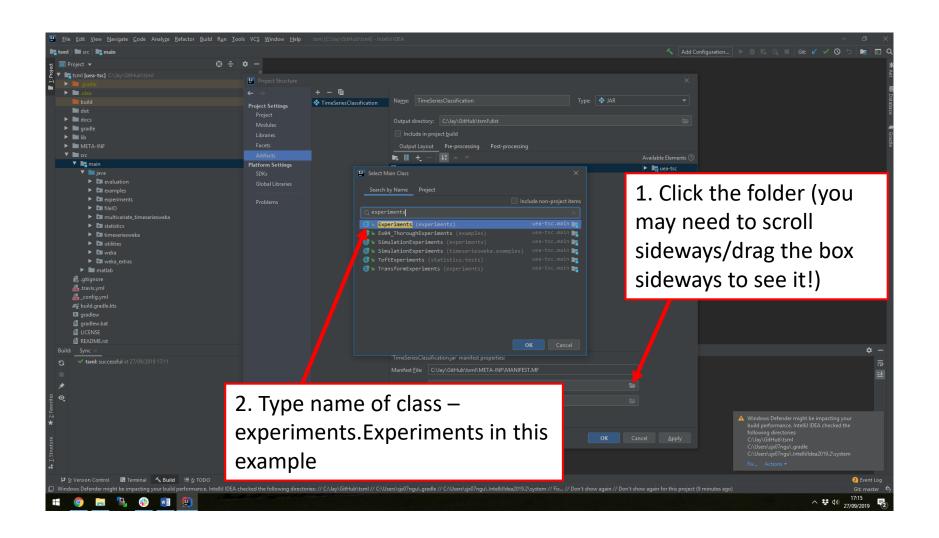
Now click *Create Manifest...*



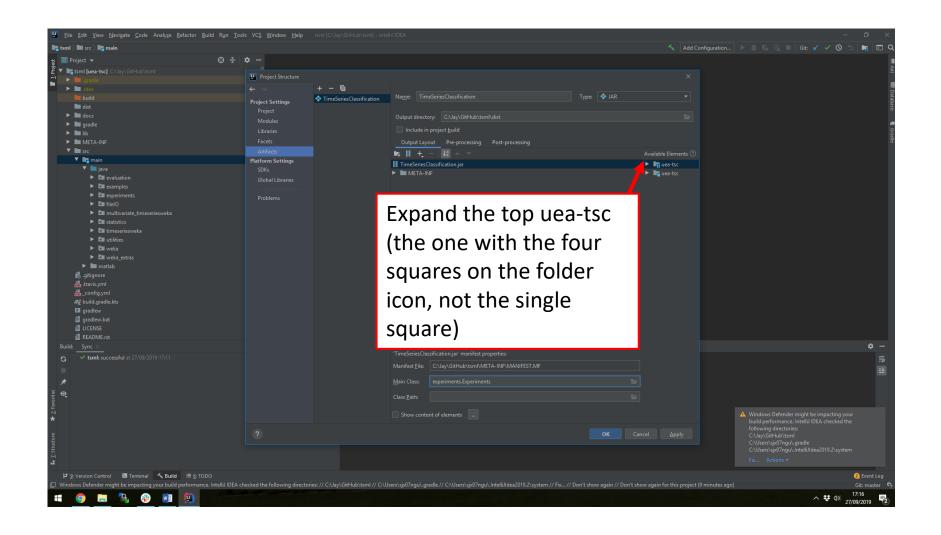
Select where the manifest should go (I put it in the top directory to mirror Netbeans)

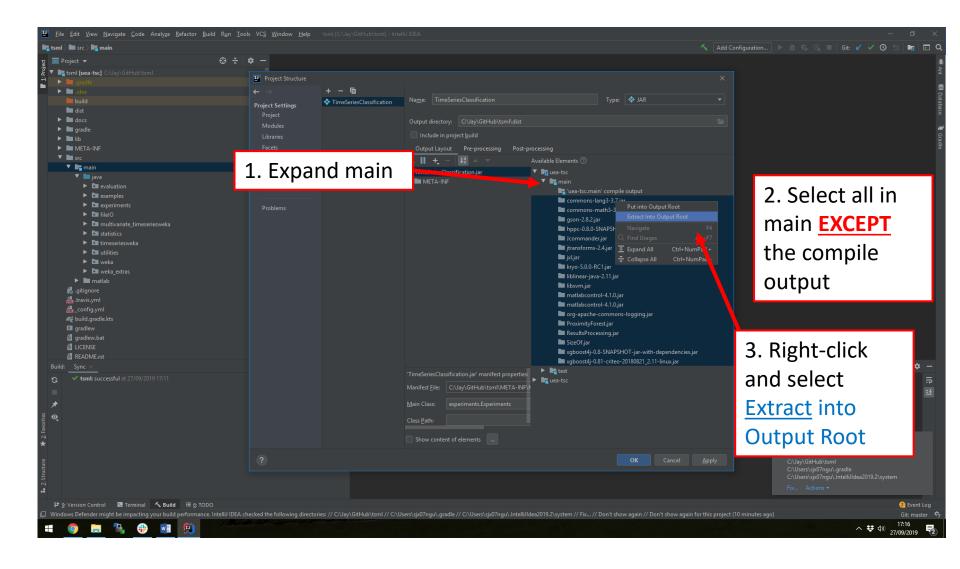


Now set main class:

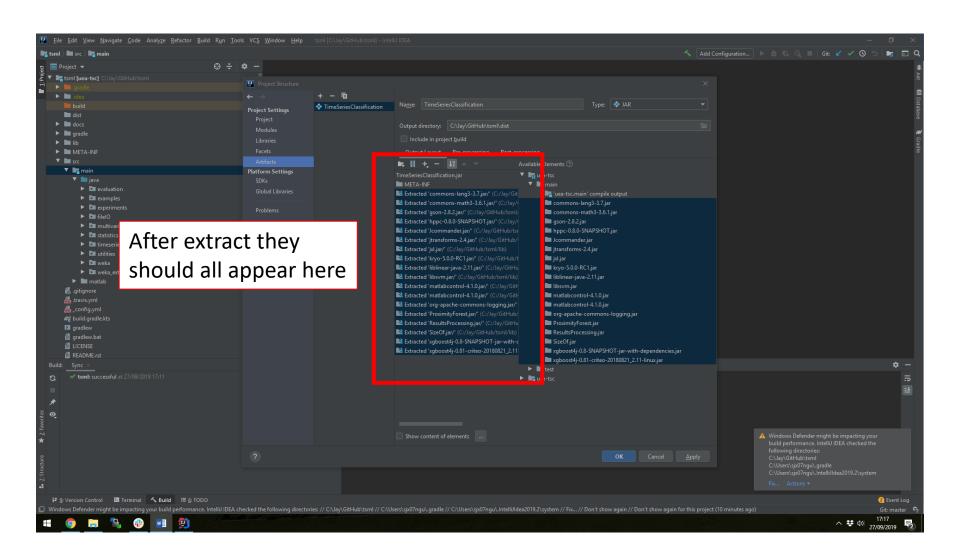


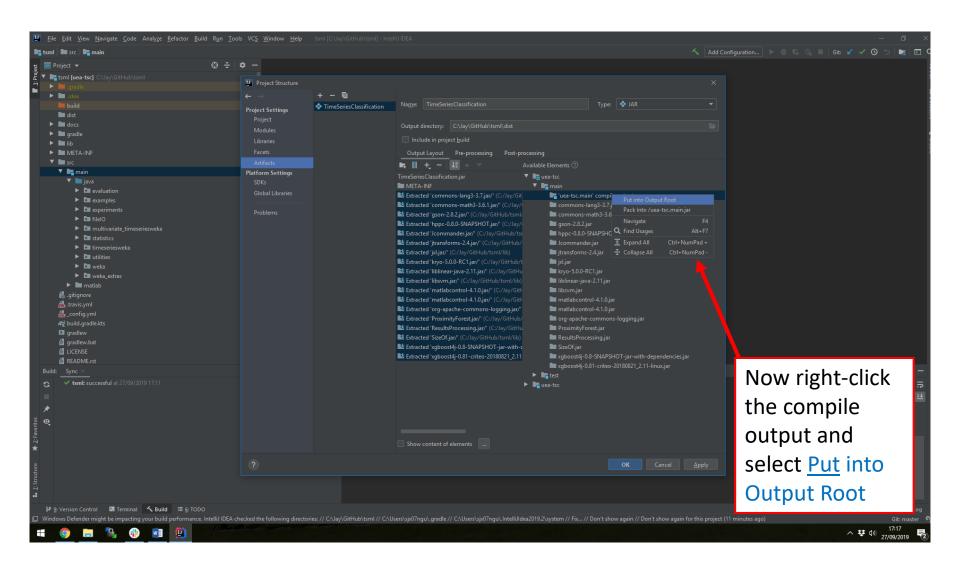
Next we need to look at the Available Elements column (again, you may need to resize if necessary)

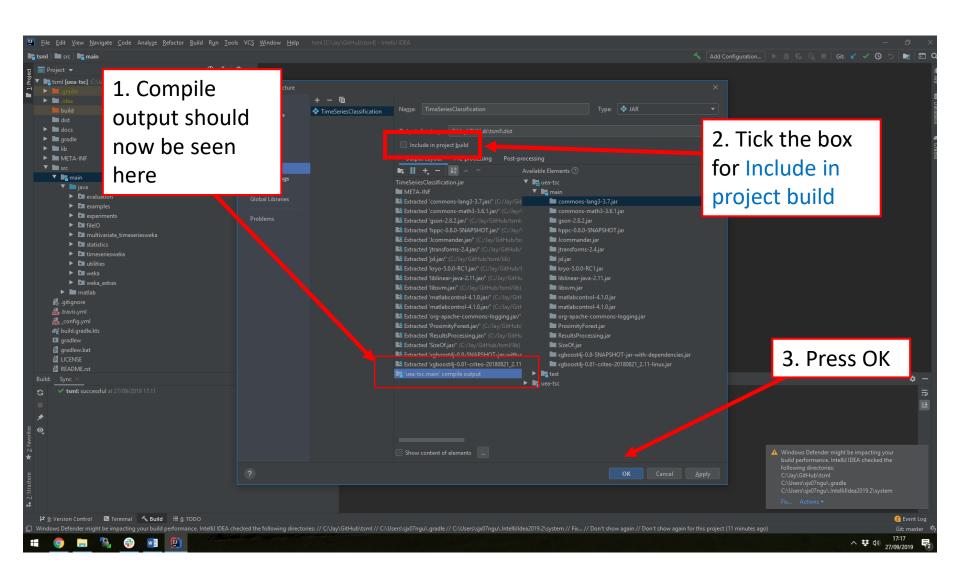




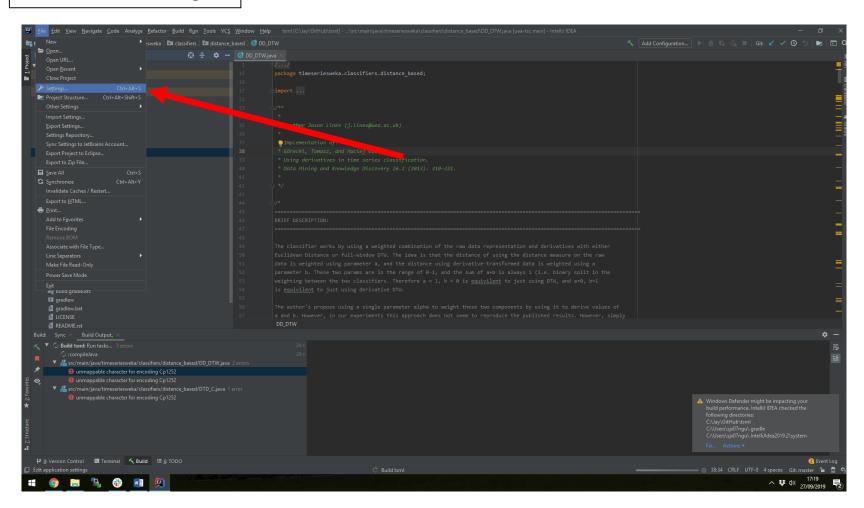
* I believe this is because the .jars are all archives and require **extracting**. The compile output is not an archive however so we handle that slightly different in a couple of slides



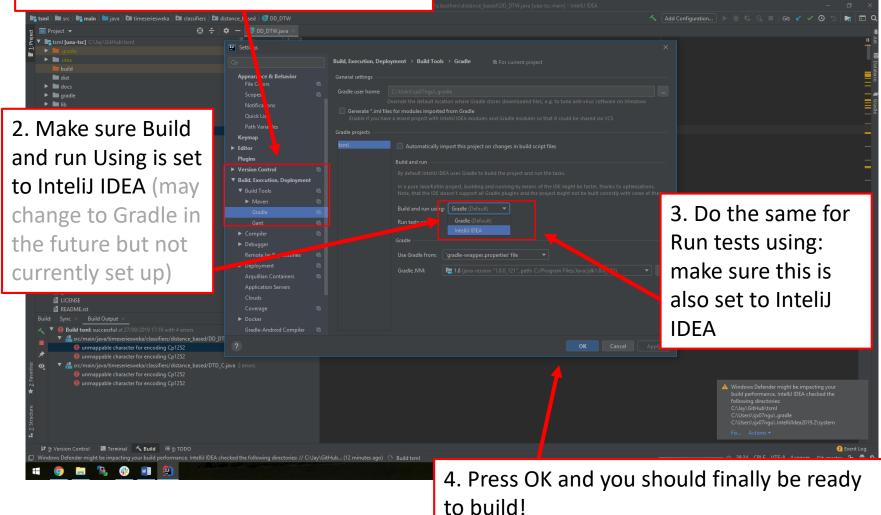




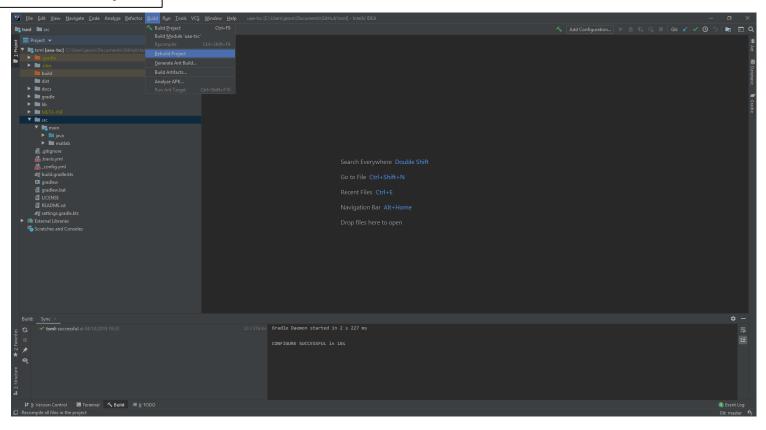
Click File -> Settings...



1. Go toBuild, Execution, Deployment ->Build Tools ->Gradle



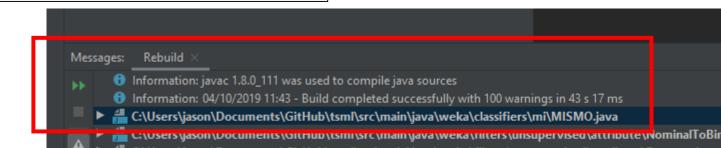
1. Click Build -> Rebuild Project



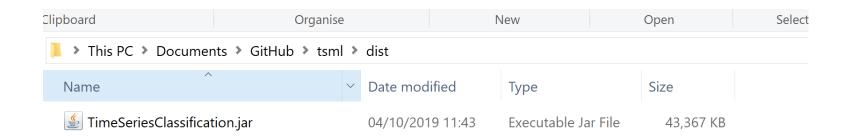
2. On completion of the build you may get a windows notification:



3. And also confirmed in the messages within InteliJ:



FINALLY, you should now have a .jar in the location that you specified for the output



Note that this is a "fat JAR" and you do not need to copy libs to the cluster, other machines, etc. to run directly from the jar