**Data clumps (too many parameters in a function).**

**Code snippet**

Uma imagem com texto

Descrição gerada automaticamente

**Location in the code**

Method writeMetadataPdfByFileNames in the class ArgumentProcessor

*Src/main/java/org/jabref/cli/ArgumentProcessor*





Uma imagem com texto

Descrição gerada automaticamente

**Justification:**

In this case, the data clumps code smell is identafiable beacuse the method writeMetadataPdfByFileNames has a total of 10 parameters.

**Refactoring proposal:**

A refactoring proposal for this code smell would be to create objects that provide the same functionality as some of the parameters, encapsulating the objects in the original parameters.

So, the new method would have the signature:

With this change the number of parameters reduces from 11 to 7 which it isn’t ideal, but given the responsabilities assigned to the method it is inevitable to not have a lot of parameters.