

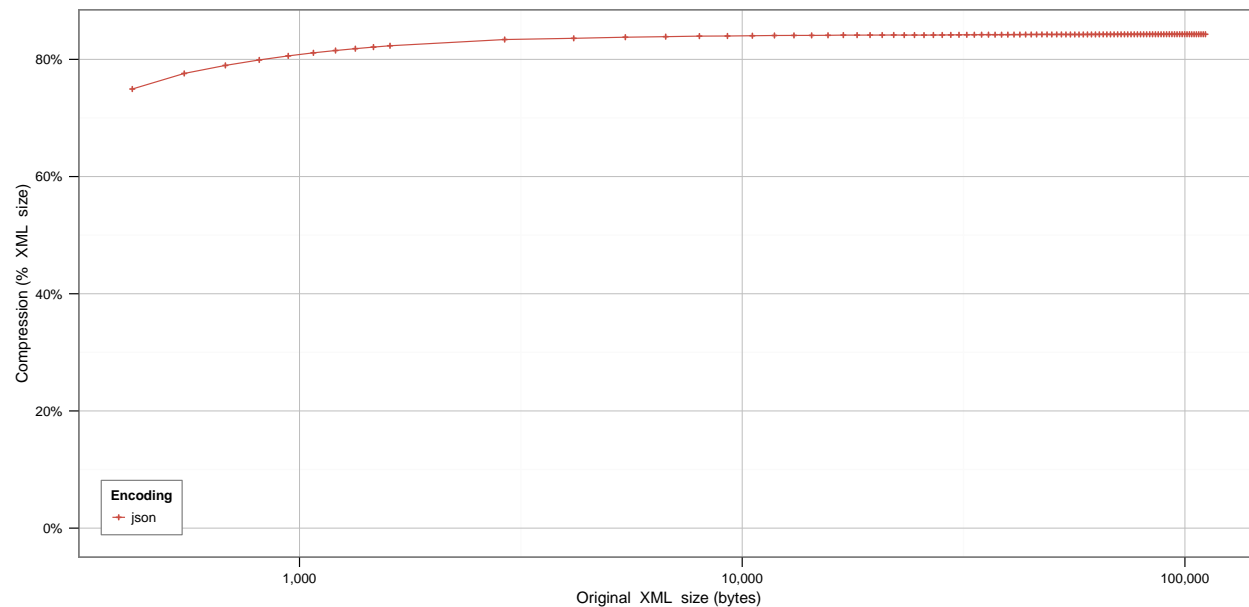
# XML/JSON Analysis Template

14 December, 2014

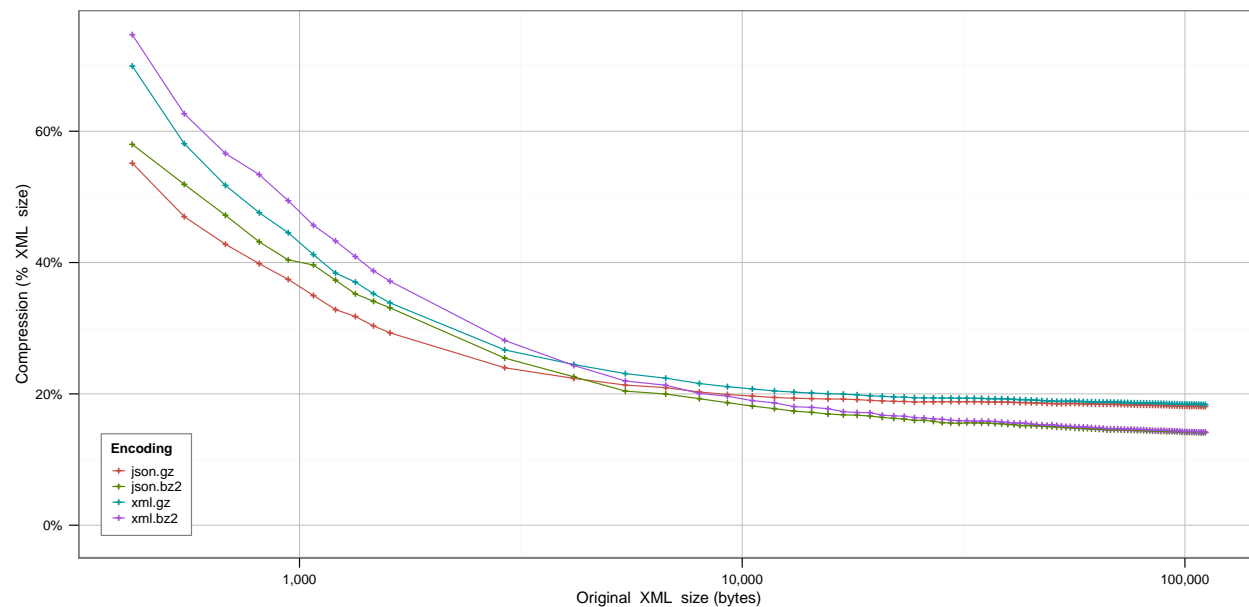
## Results for Global Positioning System XML (GPX) Use Case

### Plaintext Comparisons

A. How do JSON and XML compare when plaintext-encoded?

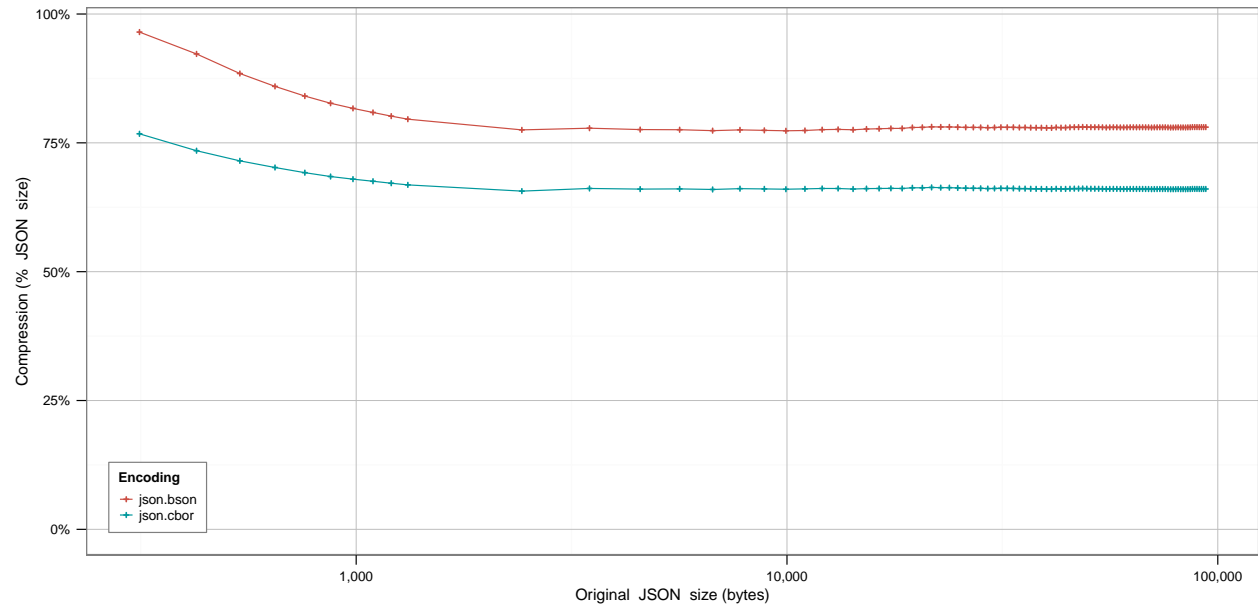


B. How do JSON and XML compare when compressed with conventional compression algorithms?

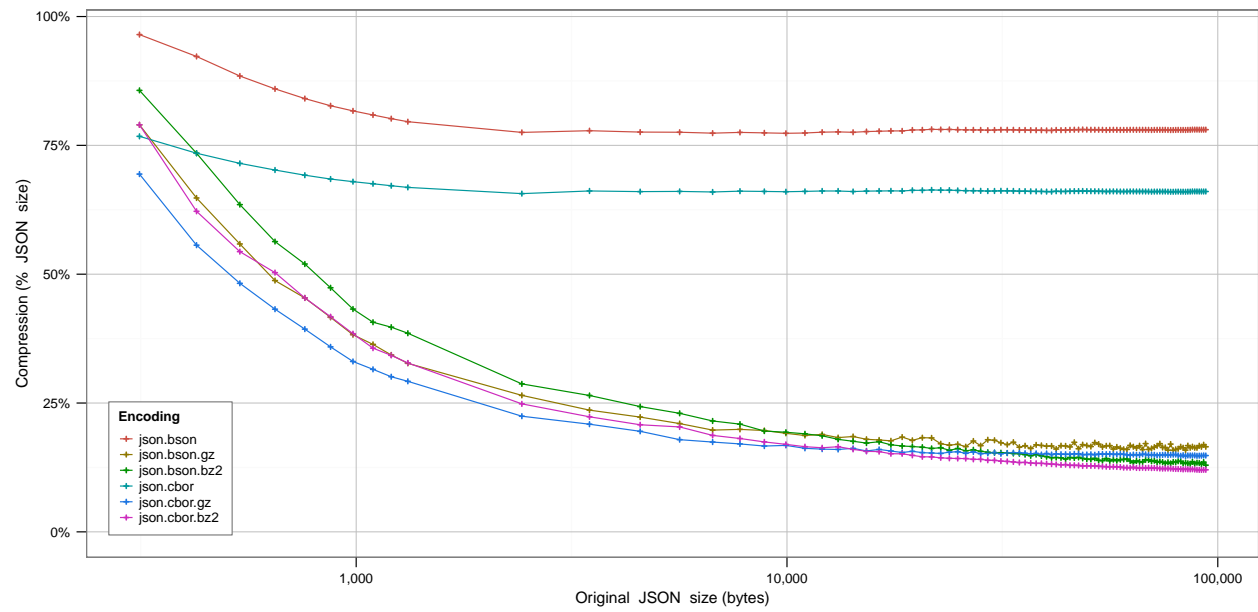


## JSON-Specific Exploratory

C. Which binary encoding of JSON is most compact?

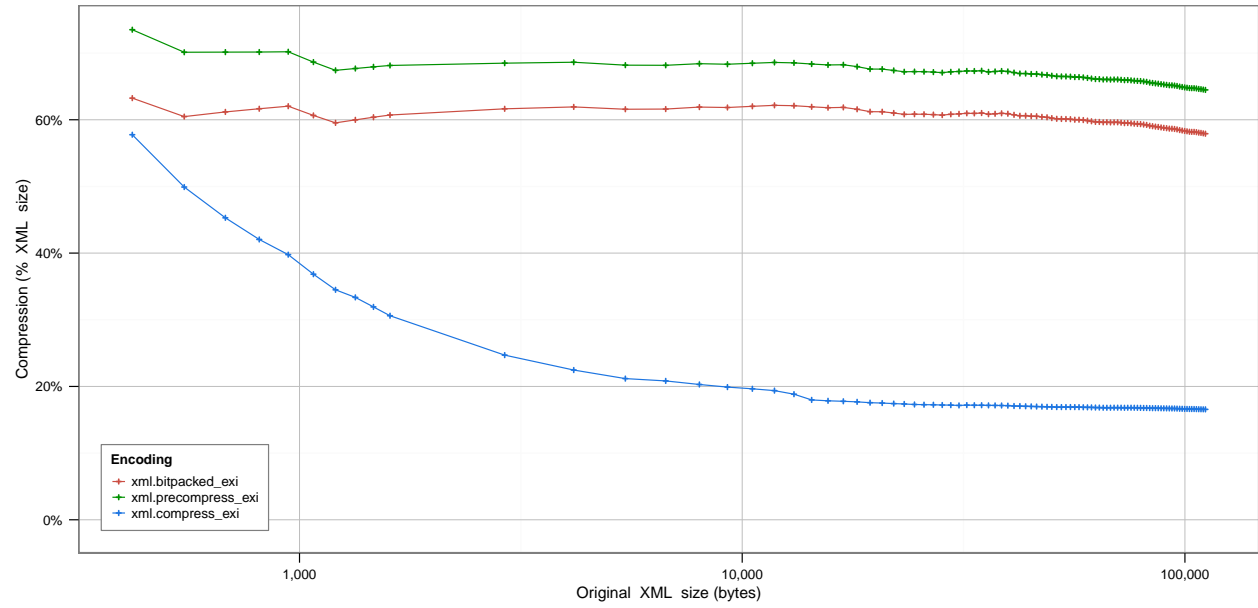


D. For binary JSON formats, does post-compression with conventional compression algorithms improve compactness?

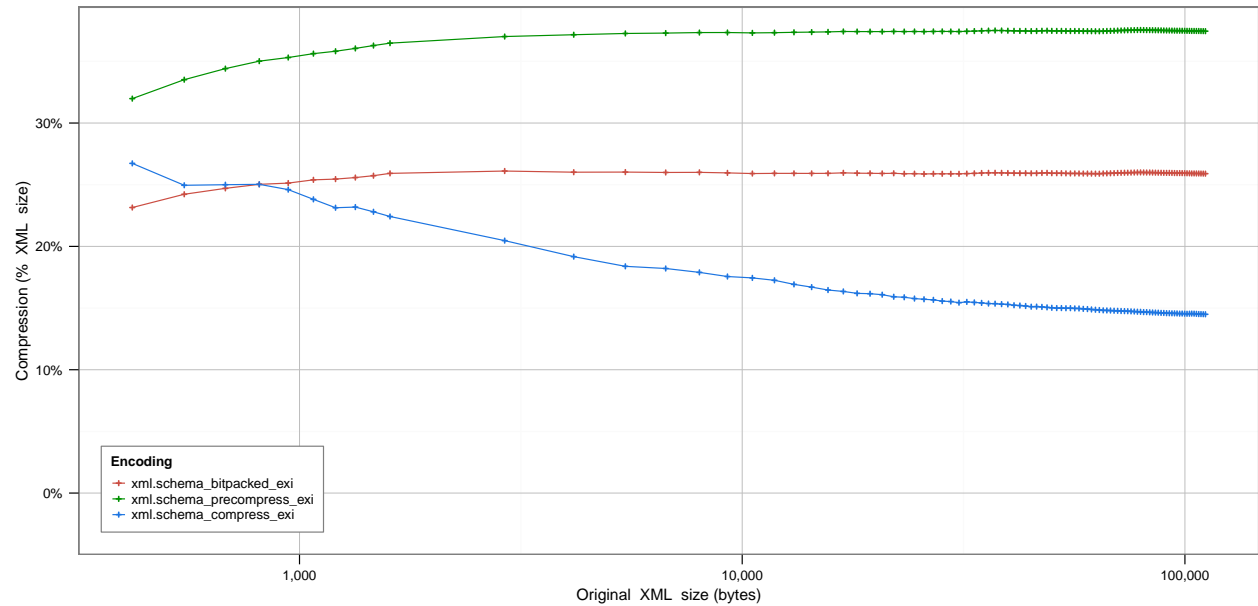


## EXI Exploratory

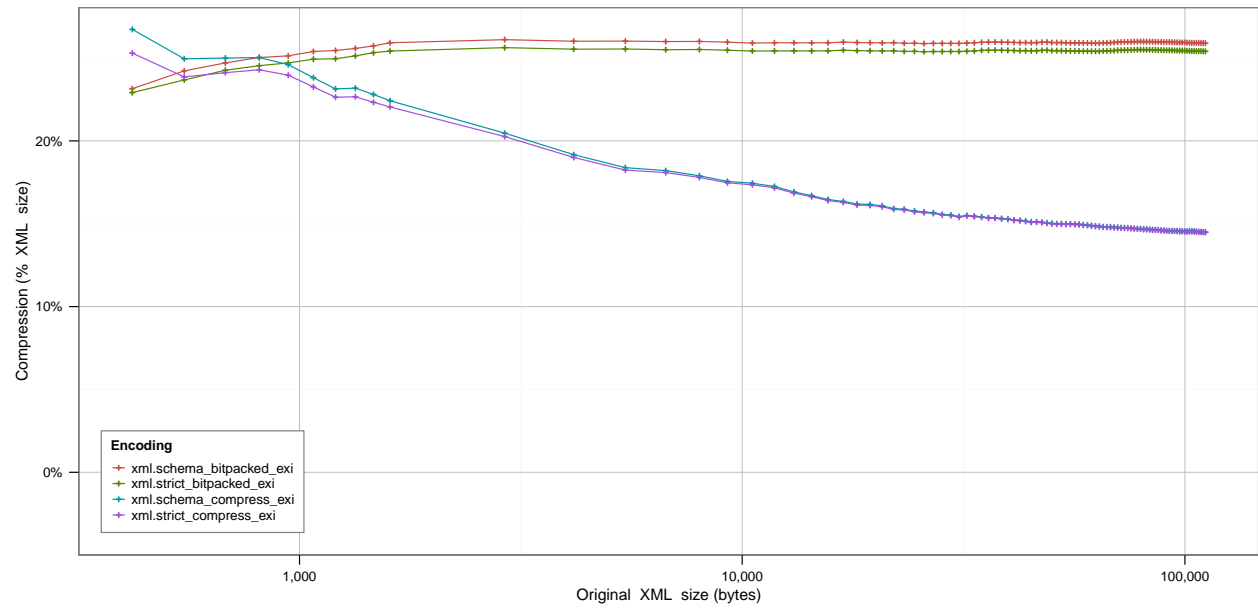
E. How do the primary EXI modes compare for schemaless encodings?



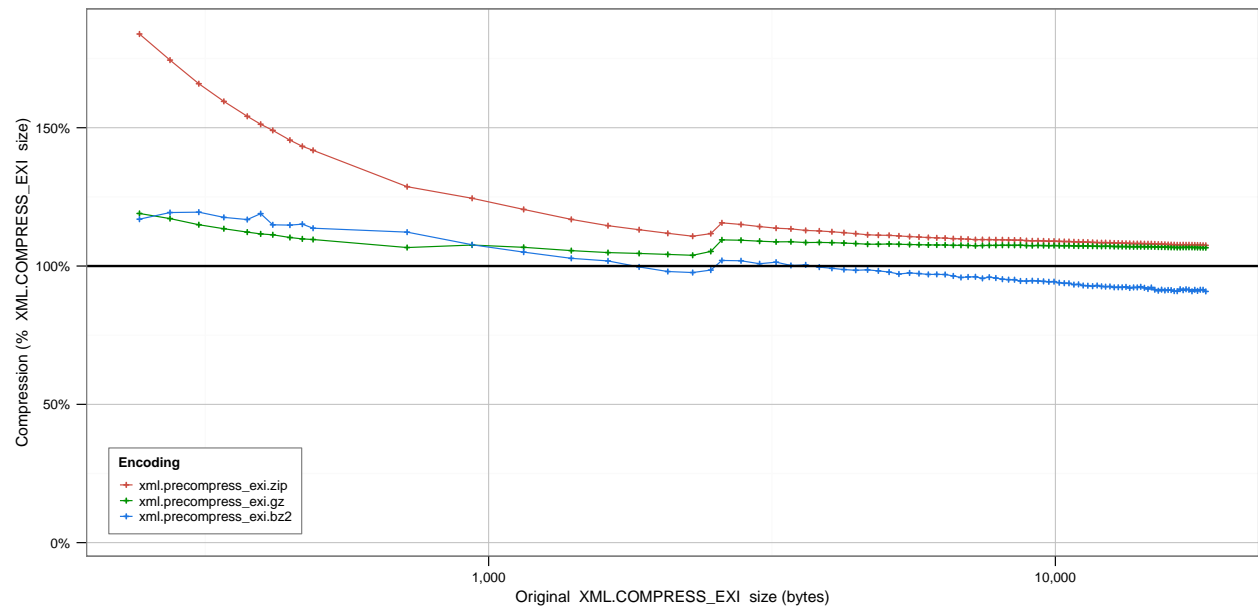
F. How do the primary EXI 'modes' compare for schema-informed encodings?



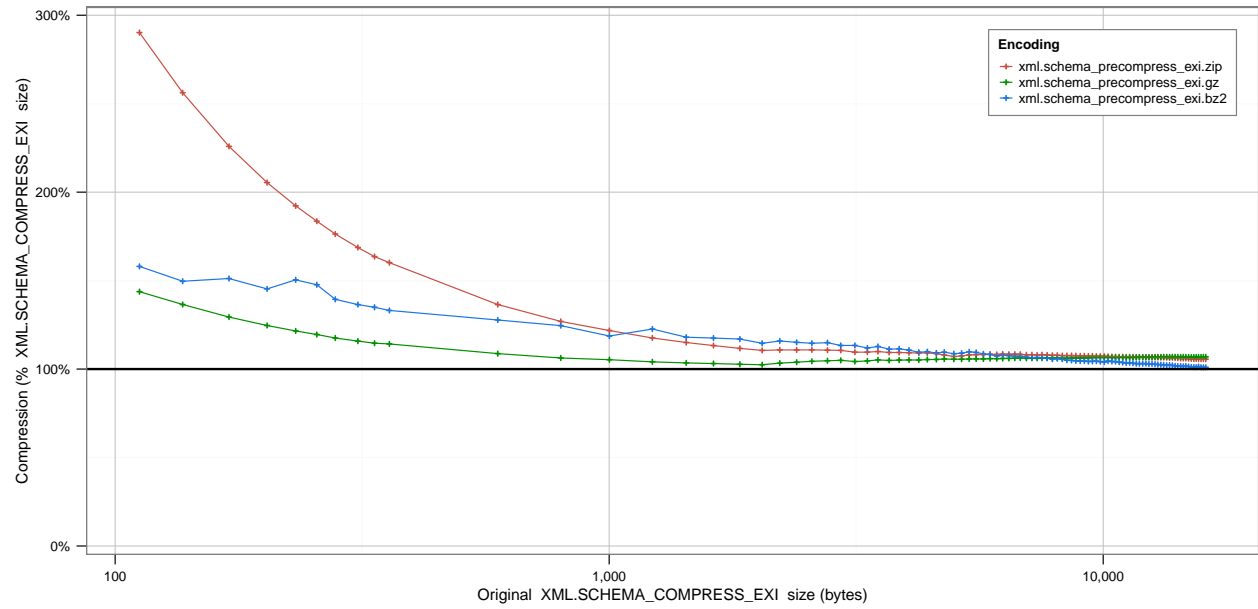
G. Does the 'strict' option significantly improve compaction for schema-informed encodings?



H. Do any of the tested conventional compression algorithms perform better on a schemaless, precompress EXI document than the standard DEFLATE?

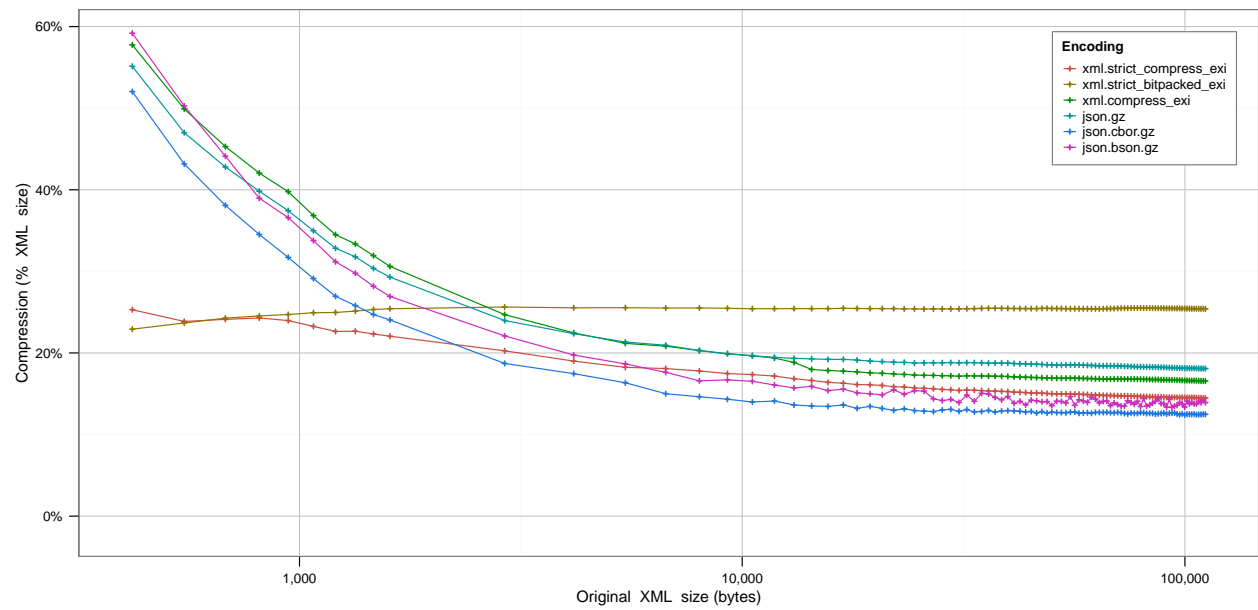


I. Do any of the tested conventional compression algorithms perform better on a schema-informed, precompress EXI document than the standard DEFLATE?



## Binary-comparisons

J. Which binary format is the most compact?



K. Do any of the binary formats offer improvement for a network already using gzip?

