

Figure 75. Frequency histogram for the list of names of Roman popes

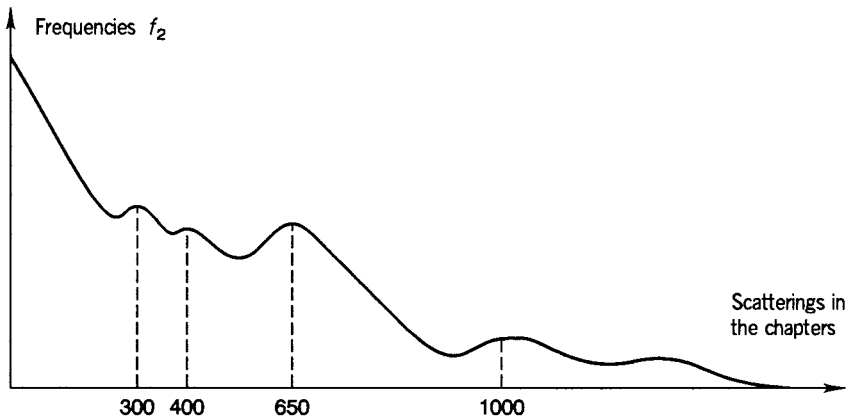


Figure 76. Frequency histogram for the list of nationalities of Roman popes

Besides, we observe an exceptionally sharp, four-fold splash near the origin. The shifts by 330, 400, 760, 850, 960, 1,050, 1,150 and 1,400 years are also explicit.

The histogram f_2 for H supplies much less information, and contains two sharp splashes about the origin and 600–640 years as well as two weaker ones around 330 and 450 years, which can probably be explained by the popes' nationalities having been determined in a doubtful manner. (See also Figs. 77, 78 and Item 8.)

6. *Damping succession in a historical chronicle.* Consider now a historical source separated into chapter generations X_1, X_2, \dots, X_n . Select from each chapter all personal names with their multiplicities, and indicate their numbers. Note that we mean here personal and incomplete names, i.e., break each complete composite name into separate ones. We then obtain the same name collection divided into chapters as the one considered in Item 2. The related names and those of the same age, as well