*Runs in the Family* applies semantic web technology to the analysis of the Batiste family of musicians, which has influenced the musical culture of NOLA for many generations. By scraping discographical data from various collections – including Tulane University’s Hogan Jazz Archives – we will produce a linked data graph that contains: (1) all musicians in the Batiste family for which a recording is available; (2) their familial relationships; (3) their published musical works. From a technical perspective, *Runs in the Family* provides an opportunity to explore two new modes of entity-relationship reasoning particular to genealogical research. First, entity-relationship derivation, which combines two first-degree relationship into an indirect, second-degree relationship (e.g. brother of mother is uncle). Second, entity-relationship inversion, which defines the relationship of subject to object and object to subject differently with a single predicate (e.g. subject is son of and object is mother of).