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| Grant M Berry, PhDLanguage Scientist.Polymath.Data Expert.Cat Lover. | | | | | | | | | | | | | | | | | |
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|  | **Smart Phone with solid fill** |  | +1 (857) 762-4887  +1 (314) 827-4237 |  | **Send with solid fill** |  | berry.grant@gmail.com  grant.berry@villanova.edu |  | **Marker with solid fill** |  | 2740 Latona Street Philadelphia, PA 19146 | | |  | **World with solid fill** |  | grantberry.info  luv-lab.info |
|  | | | | | | | | | | | | | | | | | |
| Experience | | | | | | | | | | | |  |  | | | | | |
| Education | | | | | |
| 2020-Present  **Assistant Professor | *Villanova U***   * Develop and teach linguistics, cognitive science, AI, and Spanish courses * Advance an independent research program on individual differences in language use, cognitive processing, and human adaptation to change * Publish results of quantitative studies in 4 high-impact academic journals * Mentor >20 undergraduate researchers in Language Use and Variation Lab * Statistical modeling of multimodal language data at scale in R and Python * Write coherent, persuasive grant proposals to secure >$50k in research funding   2021-2022  **Applied Scientist II | Amazon *Localization Tech***   * Audited data quality program for Prime Video subtitle localization * Collaborated with international colleagues to develop proprietary human-in-the-loop localization software with verbosity and style personalization * Published collaborative paper at COLING 2022 conference   2019-2020  **Technical Program Mgr. II | Amazon *Applied Modeling & Data Science***   * Owned a data quality program to support sourcing language data and building large language models for natural language processing * Specified and monitored data quality alarms using AWS Cloudwatch * Forecasted data collection using generalized additive modeling * Reported quality metrics to executives and stakeholders weekly   2018-2019  **Language Engineer II | Amazon *Alexa* *Household Organization***   * Created ontologies and phrase maps for developing new features for home and personal use cases (e.g., timers, reminders, recipes) * Developed and deployed deterministic and probabilistic NLP artifacts using git, FSTs, and virtual machines to production environments * Composed onboarding runbooks and trained 6 new teammates | | | | | | | | | | | |  | **2018** **PhD** Language Science  **2014 MA** Spanish Linguistics  **2010** **BS** Mathematics  **2010** **BA** Spanish  **Visiting Scholarship**  **2024** Radboud U  **2017** U of Pennsylvania  **2015** Max Planck Institute  **2015** Linguistic Society Institute  **Selected Awards**  **2023** Research Catalyst ($35k)  **2018** Ray Lombra Award  **2017** **NSF** Grant ($18k)  **2011 Fulbright** Grant (Argentina) Skills **Data Science**: Data visualization, Virtual machines; CLIs; APIs; Version tracking; Bayesian statistics; Time series analysis; Feature selection; Data pipelines  **Language Science**: LLMs, Generative AI, Prompt Generation, ASR; Language variation; Ambiguity; Localization; Multilingualism; Speech acoustics  **Program Management**: Effort scoping; KPIs; Roadmapping; Agile; Knowledge translation Languages/Packages - Near-native fluency in **Spanish**  - **Python 3.x**: scikit-learn, pytorch, pandas, nltk, librosa, langchain, huggingface, jupyter, conda, matplotlib, seaborn, mne  - **R**: tidyverse, rstanarm, lme4, mgcv  - **SQL, shell**, **git**, **SSH, AWS CLI, CUDA, Docker, PRAAT** | | | | | |
| Media Outreach | | | | | | | | | | | |
| Gotta have *rizz* to *slay*: Oxford’s Word of the Year | *KYW News Radio*  Alexa, how do you work? | *Villanova Magazine*  Does Elmo have a Philly Accent? | *Philadelphia Magazine* | | | | | | | | | | | |
| Selected Publications (\*denotes undergraduate co-author) | | | | | | | | | | | |
| Patchell, A.\*, & **Berry, G.M.** (2024). TH-stopping in Philadelphia Puerto Rican English. *Language Variation and Change*.  Gupta, P., Nelakanti, A., **Berry, G.M.**, & Sharma, A. (2022). Interactive post-editing for verbosity-controlled translation. Proceedings of *COLING* 2022.  Requena, P.E., & **Berry, G.M.** (2021). Cross-linguistic influence in L1 processing of morphosyntactic variation: Evidence from L2 learners. *Applied Psycholinguistics*  **Berry, G.M.**, & Ernestus, M. (2018). Phonetic alignment in English as a *lingua franca*: Coming together while splitting apart. *Second Language Research*.  Full list: [https://scholar.google.com/citations?user=Hf8ez5EAAAAJ&hl] | | | | | | | | | | | |
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