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| Grant M Berry, PhDComputational SocioLinguist | Cognitive scientist | | | | | | | | | | | | | | | | | |
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|  | **Smart Phone with solid fill** |  | +1 (857) 762-4887 |  | **Send with solid fill** |  | berry.grant@gmail.com |  | **Marker with solid fill** |  | Philadelphia, PA | | |  | **World with solid fill** |  | grantberry.info |
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| Experience | | | | | | | | | | | |  |  | | | | | |
| Education | | | | | |
| 2020-Present  **Assistant Professor | *Villanova University*** *Villanova, PA*   * Teach data-centric courses on fairness in AI, language in society, and cognition * Lead team investigating relationships among behavioral, acoustic, and neural data * Publish peer-reviewed research and present at high-visibility international venues * Analyzed enrollment data to motivate curriculum changes in my department * Analysis of high-dimensional experimental and database data using R and Python *Skills: GAMs, Regression, Dimension Reduction, Social Network Analysis, TTS*   2021-2022  **Applied Scientist II | Amazon Prime Video** *Remote*   * Leveraged insights from global subtitle data to improve localization quality * Developed localization software with verbosity and style personalization * Published collaborative paper at COLING 2022 conference   *Skills: Regression, Text Analysis, Data Mining, Machine Learning*  2019-2020  **Technical Program Manager II | Amazon Alexa** *Cambridge, MA*   * Curated a data quality program to support localization of language data at scale * Facilitated data collection for international releases of natural language models * Specified KPIs and generated automated quality alarms with AWS Cloudwatch * Forecasted throughput for stakeholders with generalized additive modeling * Compiled quality metrics and communicated weekly to diverse audiences   *Skills: SQL, R, Python, Regression, Machine Learning, Time Series Analysis*  2018-2019  **Language Engineer II | Amazon Alexa** *Vancouver, BC*   * Created ontologies and phrase maps for feature development in home and personal use cases (e.g., timers, reminders, recipes) * Deployed deterministic and probabilistic NLP artifacts to production environments * Composed onboarding runbooks and trained 6 new teammates   *Skills: Git, Python, FSTs, Regression, Bash, Language Modeling* | | | | | | | | | | | |  | **PhD** Spanish & Language Science  **MA** Spanish Linguistics  **BS** Mathematics  **BA** Spanish  **Selected Awards**  Research Catalyst Grant  Echo 25: 25 Alumni Under 40  **NSF DDRI** Grant  **Fulbright** **ETA** Grant (Argentina) Skills **Code:** R;Python; Bash; SQL  **Statistics:** Hierarchical linear/logistic regression, time series analysis, PCA, t-SNE, GAMs, Bayesian statistics  **Data Science**: Data visualization, Virtual machines; CLIs; APIs; Version tracking (git); Feature selection; Data pipelines  **Language Science**: Generative AI, Prompt Creation, ASR; Language variation and change; Ambiguity; Localization; Bilingualism; Speech acoustics  **Program Management**: Effort scoping; KPIs; Roadmaps; Agile/Scrum; Knowledge translation; Interdisciplinary communication TL; DR I’m a multilingual computational social scientist who uses statistical and ML techniques to draw actionable insights from complex, multimodal data on the interaction between human beings, language, society, and technology. | | | | | |
| Selected Media Outreach | | | | | | | | | | | |
| [Gotta have *rizz* to *slay*: Oxford’s Word of the Year](https://www.audacy.com/podcast/kyw-newsradio-in-depth-0da71/episodes/you-gotta-have-rizz-to-slay-how-oxford-chooses-its-word-of-the-year-25daf) | *Philadelphia* *KYW News Radio*  [Alexa, how do you work?](https://www1.villanova.edu/vu/magazine/fall-2023/features/alexa-how-do-you-work.html) | *Villanova Magazine*  [Community Conversations: Sociolinguistics](https://www.youtube.com/watch?v=H_MLbfrsrWQ) | *Main Line TV*, *Radnor Public Access*  [Does Elmo have a Philly accent?](https://www.phillymag.com/news/2022/01/21/elmo-philadelphia-accent)| *Philadelphia Magazine* | | | | | | | | | | | |
| Selected Publications | | | | | | | | | | | |
| 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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