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Title: Averages over the Primes in \mathbb{Z} and $\mathbb{Z}[i]$.

Our topic is improving estimates for averages over the primes, both classical and Gaussian. These questions engage with a number of subtle issues, both number theoretic and analytic in nature. In the Gaussian case, the underlying methods relate to conjectures of Goldbach, and Landau. We will report on work from papers joint with Christina Giannitsi, Ben Krause, Hamed Mousavi, and Yaghoub Rahami.