#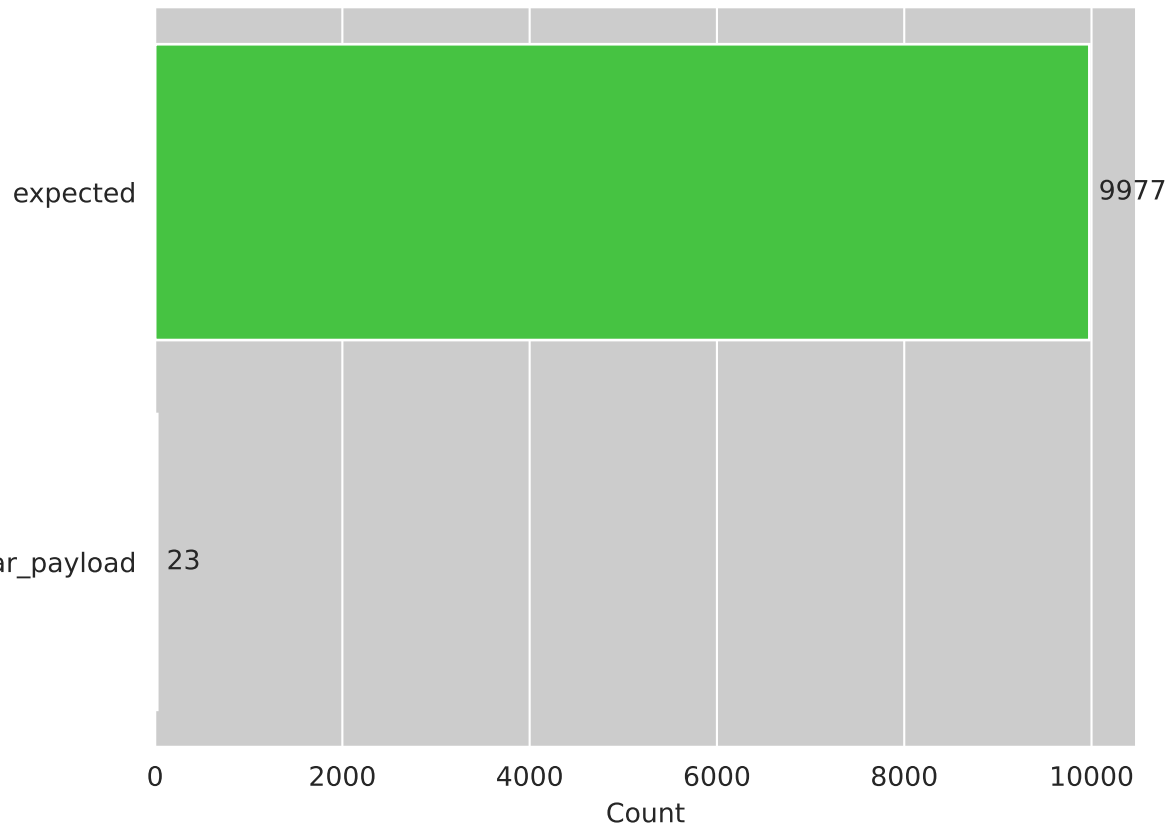 expected_m_0