**Result:**

Training model with window size 3 and vector size 20

Most similar to (Transform + 'daughter'): [('bratis', 0.8006808161735535)]

Cluster assignments: {'yen': 1, 'yuan': 1, 'france': 0, 'brazil': 0, 'africa': 0, 'asia': 0}

Training model with window size 3 and vector size 70

Most similar to (Transform + 'daughter'): [('expansion', 0.45818030834198)]

Cluster assignments: {'yen': 1, 'yuan': 1, 'france': 0, 'brazil': 1, 'africa': 1, 'asia': 1}

Training model with window size 3 and vector size 100

Most similar to (Transform + 'daughter'): [('man', 0.4254422187805176)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 3 and vector size 300

Most similar to (Transform + 'daughter'): [('man', 0.5618419647216797)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 7 and vector size 20

Most similar to (Transform + 'daughter'): [('suffren', 0.7415822744369507)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 7 and vector size 70

Most similar to (Transform + 'daughter'): [('starsys', 0.4212087392807007)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 7 and vector size 100

Most similar to (Transform + 'daughter'): [('man', 0.4393777847290039)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 7 and vector size 300

Most similar to (Transform + 'daughter'): [('man', 0.4934195876121521)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 13 and vector size 20

Most similar to (Transform + 'daughter'): [('nasda', 0.7662496566772461)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 1, 'africa': 1, 'asia': 1}

Training model with window size 13 and vector size 70

Most similar to (Transform + 'daughter'): [('danbricklin', 0.43900245428085327)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 13 and vector size 100

Most similar to (Transform + 'daughter'): [('gribbin', 0.437030166387558)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 13 and vector size 300

Most similar to (Transform + 'daughter'): [('man', 0.48533961176872253)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 25 and vector size 20

Most similar to (Transform + 'daughter'): [('pulosari', 0.761509358882904)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 1, 'brazil': 0, 'africa': 0, 'asia': 0}

Training model with window size 25 and vector size 70

Most similar to (Transform + 'daughter'): [('restuccia', 0.5421460270881653)]

Cluster assignments: {'yen': 1, 'yuan': 1, 'france': 1, 'brazil': 1, 'africa': 0, 'asia': 0}

Training model with window size 25 and vector size 100

Most similar to (Transform + 'daughter'): [('vitruvian', 0.4615863561630249)]

Cluster assignments: {'yen': 0, 'yuan': 0, 'france': 0, 'brazil': 0, 'africa': 1, 'asia': 1}

Training model with window size 25 and vector size 300

Most similar to (Transform + 'daughter'): [('man', 0.49265456199645996)]

Cluster assignments: {'yen': 1, 'yuan': 1, 'france': 1, 'brazil': 1, 'africa': 0, 'asia': 1}

Best hyperparameters: Window size = 3, Vector size = 20

Best transformation result: [('bratis', 0.8006808161735535)]

Best cluster assignments: {'yen': 1, 'yuan': 1, 'france': 0, 'brazil': 0, 'africa': 0, 'asia': 0}